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SEQUENCE LISTING

<110> Robert Schlegel,
Wilson Endege
John Monahan

<120> NOVEL GENES, COMPOSITIONS, KITS, AND
METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
THERAPY OF HUMAN PROSTATE CANCER

<130> MRI-007B

<140> 09/785,276

<141> 2001-02-16

<150> 60/183,319

<151> 2000-02-17

<150> 60/189,862

<151> 2000-03-16

<150> 60/207,454

<151> 2000-05-25

<150> 60/211,314

<151> 2000-06-09

<150> 60/219,007

<151> 2000-07-18

<150> 60/255,281

<151> 2000-12-13

<160> 262

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1

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cagcaatgta tttggtgcag aggaccgcaa cccttgaaat atgtgctttg gcattttaag 120
cagacatatt tgttaaatta ctgcttgacc acgaatgttg tcattgagtc acccccagct 180
ttttggggtc tatttcttac tgctctcttc tctgcttggg cagctgtaac aatgtaggaa 240
tgttgaatgt ctagctgcta ctatctctca gactcttata ctgcccacag ttctgtatgc 300
ctcttaggcc tggcacaaca tcatgggtgtt gcttatgcct cattagacct gctgcttaag 360
ggaattaaat gataccctaa tgggtctaaaa agggtaatgt atttccgagc atgtcatatt 420
tactgtagga ggttggggaa ggcgtcacag gcactgtaag tggtagtaat tacctatccg 480
tatagatatt tgtgtaattt tgttgtgttg agacaatgca taatggtaag tttgagagct 540
tttcagtcatt attggtgaag 560
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<210> 2

<211> 352

<212> DNA

<213> Homo sapiens

<400> 2

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cacgcgtccg gtgctgtggc gcggggagac cgccgtgcct ggcgcgcccc aggccttgcg 60
ggccgctgcg agcccgcggc aagcgcctgg gcttcatcac caacaacagc agcaagacct 120
gcgctgccta cgccgagaag ctgcggcgcc tgggcttcgg cgcccccgcg gggcccgggc 180
ccagcctgga ggtcttcggc acggcctact gcaccgcgct ctacctgcgc cagcgcctgg 240
ccggcgcccc cgcgcccaag gcctacgtgc tgggcagccc agccctggcc gcggagctgg 300
aggccgtggg cgtcgccagc gtgggcgtgg ggcccagacc actgcagggc ga 352
```

<210> 3
<211> 303
<212> DNA
<213> Homo sapiens

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<400> 3
cgaaattggt tgagccttga ttgatcatg aaaccagctt acccttcccc tgtgtgctgg 60
ccccagtttt ctaaccaggt gttgaatgaa ctggatggac tctgccagat cctccgtgc 120
aaggctggaa tcagtccatt gttcaactgt gccctttggg gctgtggttc atttggctct 180
gatttttctt atatgtttct tcctccaacc cccatagctc catcttgtct acaagatttt 240
gttagaagcc gtcaaaatcc tgctgactcg agatgcgctg tgggtgcatgt tttccccggg 300
cac 303
```

<210> 4
<211> 466
<212> DNA
<213> Homo sapiens

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<400> 4
tccgcggatt ctgctgtttt gaggccagcc agatcagcaa ggagatctgt gaggcccacg 60
acatcctcat gtgtcccctc ggcgaccaca gccgcaggta ccagcggctc tcggaaacct 120
gcacttttgc caagctcacc cacctctttg acaatgatgg cacggtgggtg ttcgccatct 180
tcatggctct ctgggccacg gtgttcctgg agatctggaa gcggcagcgc gcccgcgctg 240
tcctgcactg ggacctgtac gtgtgggacg aggaacagga ggaaatggca cttcagctca 300
ttaactgccc cgactacaag ctccggccat accagcactc ctacctacgc agcacctca 360
tcctcgctct gacctgctc atgatctgcc tcatgatcgg catggccac gtcttgggtg 420
tctaccgcgt tctggcctcc gcgctcttca gcagctcggc cgtgcc 466
```

<210> 5
<211> 412
<212> DNA
<213> Homo sapiens

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<400> 5
gtccgctcat gcggattgca ttgtgaacgt actgacatag aaaacacgta gaagagggcg 60
tggcacatac aagtgtctatt tcagtgttag ctatggagct ttcttttctt ctttttttagg 120
acttttgtaa ttattaaaat ttttgagcat cttttacagt ggggtcaaata tcttattttg 180
tgatgtcagc agtatacccc ctgagcagcg gcatgccata tccagcgtcg gagccctttc 240
ccaggctgat cccgaggccc tttcaaccag ggacgtgtag ctccagtgtg acaaactcct 300
ttcctagggg cttctttcac cagaccactt gtcggtgcgt tcaagaaaag ggtaaagaac 360
tatgggatga ttggttcgag acagaatagg aaggaaggct gcttgagaag ga 412
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<210> 6
<211> 536
<212> DNA
<213> Homo sapiens

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<400> 6
ccacgcgtcc gccacgcgt ccggtcccag acgggctttt cccagaagct aaaagagaag 60
ggccagagaa tgtcgtccca gccagcaggg aaccagacct ccccgggggc cacagaggac 120
tactcctatg gcagcgtggg acactcgatg tagccccagg ggtggcgagg agctccagcc 180
agagggggaa gtcctcctgc cacaccagca taccaccogg cctgtaccac gcctgcctgg 240
cctcgtgtgc aatccttgtg ctgctgctcc tggccatgct ggtgagggcg cgccagctct 300
ggcctgactg tgtgcgtggc aggcccgggc tgcccagccc tgtggatttc ttggctgggg 360
```

```
acaggccccg ggcagtgcct gctgctgttt tcatggtcct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcaccc agccaagatg 480
ggaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536
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<210> 7
<211> 429
<212> DNA
<213> Homo sapiens

```
<400> 7
acgcggggct tgcattctctg gggccaagga gtgggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggtg gtggagctct taccagaccc tgcagaaccc 120
tctccgtggg gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tggtgatggg gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggagggagga tggagtccct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtct ttggagctgg ggcagagggg 420
agcttgagt 429
```

<210> 8
<211> 509
<212> DNA
<213> Homo sapiens

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<400> 8
cccgcccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatggt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaaacaag agaggtgact aggggaatatt 240
gaagaaatgc cagggtcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagttgtg gatgtttgtc cagcagcatt gagcagactg aataaattta aattaatgta 360
ggcttgaagc ttcattcgggt tatttttgct ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggt taagaacatt ggcaaggcaa tgggtgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

<210> 9
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

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<400> 9
cgccncggtt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60
ttgtatgtca atcctgaatt ctctgtagctg gtgagagagg cacaagagat gctaaaggag 120
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacgttg tcgagcactg 180
gatagttgat taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagg 300
gtggaaagcg agaggcagag ctgttggtct tctcgagtcc aggacttgag ccctgatctt 360
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<210> 10
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(379)

<223> n = A,T,C or G

<400> 10

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acgactcact attntnggggn naattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcaactgggca ggcggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcgggggtaa gatttgccga gttcctttta ctttttttaa cctttcctta tgagcatgcc 180
tgtgttgggt tgacagtgag ggtaataatg acttgttggt tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgtaga ttggtccaat tgggtgtgag 360
gagttcagtt atatgtttg 379
```

<210> 11

<211> 487

<212> DNA

<213> Homo sapiens

<400> 11

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tccaggacac ctgacatgtt cccactgcag aaaccacacg ggtttctcca gcaccactga 60
gacttgctca gcctgtgtag agtagcctgg acatactggg gctttatattt cctgaggaca 120
accctcaacc aatgagtgcc aggaatcagt gagtaactgc ccacctgttt tccccctca 180
ccggataatt ctgaagcatc ttttaccag ctctgcagag gatccctgca ggactgagcc 240
tgggtgccgc agtgatcatc tgcacttcaa tgcaccttc cttggctttc cgccctgcgc 300
cgtttctcac ttctccacta cttggagtcc tttccaaaga aactatccat acctgaaatc 360
tacttttacg taaacccaag ctaagacggt ggaatattgc ttcattttga agtcagtggg 420
agcaattaaa agcttaaaca ggggcttgga tgtatgtgga ttggcagctg aggaccccag 480
gggtggg 487
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<210> 12

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 12

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cgctacttag ggcgaattgg agctccccgc ggtggcggcc gaggtacagc ctggaccacc 60
cctggtgtgt agctagtaag attaccctga gctgcagctg agcctgagcc aatgggacag 120
ttacacttga cagacaaaga tgggtggagat tggcatacca ttgaaactaa agagctcttn 180
aagtcaangg aagctgggct gggcagtatc cccggcttta gttcttcact ggggagggat 240
tcttgaccna gcacaaaaac ttaacaaaag tnntntaaaa atnnaaagnc naattaaaat 300
nttaaaaaaa aaaaaaaaaa 319
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<210> 13

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 13

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gacccccgcg tccgcaagga cacacatgcg ctggagcagg cactggactt tgtgcgtgcc 60
tcaactcagcc gtggtgctga tggctcacgc cacatctgcc ccgacggctc ttatgcgacc 120
catggtgatg ctcccactgc catcactggt gttattggcg gttcctacag tgatgtctcc 180
atccaggtgg ccaacctctt gaggctatct cagatcccac agattancta cgentttncc 240
```

```
agncncnaan ttgaganana angccctnnt ttnanttant ttncccnaaa agtgccttct 300
tgnntttttt taaagccaac cccnatggnc cttnaatnat tttttttcaa aaaaaaanta 360
annntntnn nntntnnnnnt nannaannna aaaaaggncg ggcccgtnta anacttagtt 420
ttaanaaaaa a 431
```

<210> 14
<211> 225
<212> DNA
<213> Homo sapiens

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<400> 14
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ccttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagccgg agggcagctt cacacagggc cttcttggtc tcagggttgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225
```

<210> 15
<211> 519
<212> DNA
<213> Homo sapiens

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<400> 15
cgctccgtgtg attgcagttg gcaataggaa aaaatggaaa aaggtgtttc ataagtagaa 60
gatattctgca gtgatttgga gtaattgatt tccatttcca tttttgtttt atgtactaat 120
tattttataa ttttagcattt taatcctaatt ttagaattct agtgcagaga tgatcagaga 180
catatttcac ccaaattagt gttgaataaa tgataagact gaaattcgga agcaataaag 240
tatatttcat gttttccttt ctgaatttat agtaatatca gcataaaaaa tgaagaacca 300
cagaatggct gcagatgttc cttgtctttt ccatgactga catttttcat gtgagtgtat 360
tatgtatgta ggagctctgg gcagttcttt cttaactatg tagcaattgc agagcacagt 420
ttcaaagcat aaagaagaaa caaattggga agaatggcac aagaagacaa gttgaaatta 480
gatgccagaa ctgcagatta cttggttgaa atgtctttg 519
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<210> 16
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

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<400> 16
agctccccgc ggtggcgggc gcccgggcag gtacaaagat atttatgata catgtatgac 60
ttgtctaagt tattaacatt ttctctagcc ttaggtaatg catgaaagca catgtttcag 120
tgccactcac ataagaagtg cccggtaagt gttagctatt attgtctact tgagttacta 180
ctttctaaaa gtatgttgaa gtctttttct gtaattgcag atttggtgat tttgcatttg 240
agtattttct atattttgaa gctgttagat gcatagtcac gattttttgg ggaatgtttt 300
atcaattttt gaaaattgcc tttgtctcat ataatgcttt tcatattgaa ctatattttg 360
tctgctatta aatacttcca agcctcaaaa aanaaaanaa ntaaaaaaaa aanngcttga 420
cct 423
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<210> 17
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 17

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tactnaaggg gaacaaangc tgggnaccgg gccccccctc gnggtcgacg gtatcnataa 60
gcttgatata gaattcctgc anccnggggg anccactant tntagagggg ccgnggtacc 120
gnacgggaaa gatgaaaant tanatccaag cggtaataata gcanggacta acccctatac 180
cttntgcata nngaataaac tagaaataac tntgcangga gagccaaagc taagaccccc 240
gaaaccagac gagttaccta anaacagcna aaagagcaca cccgtntatg tagcaaaaana 300
ttgggannat ttatagggtg aggggacaaa cntaccgagc ctggtgatag ctggttgtcc 360
aaga 364
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<210> 18

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 18

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ctctggccct ttctcatcta cagcatttgc tcatattttc ccctncaact gggaggaacc 60
cctccccaac ttcttttntt ccaagcttaa tgattttctca taaacttttc tctgagcccc 120
taggaaaaaa actgtgtttt ctttgctgcc cccaaccat agtagtcaac tttaaaattg 180
gcattaacac attccccctt gtcttacaca tatacatttc tttacactcc tatttgatga 240
caggtccatc caggaaagna atcatatctt ctatgcctta ttccctagag taacttgtgt 300
attacaggtg ttcaatgatg ggtaatgatt aagtgaaaag atcanggcac gaggnatgtg 360
tgcaaaaggc tgggggctgt 380
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<210> 19

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 19

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gtccacctcc acccctctcc cggagaagac cctggcttcc ttcagcacc cagtgagcct 120
ggatcggagc cgtacccccg ggggactaga tgatgaactg gacaccgggg atgccaagtt 180
cttccaggtc attgagcagc tcaactcgca gaaacagtgg aagcagtcga aggacttcaa 240
cccactgaca ctgtacttca gagagaagga gatggagaaa gagtaccgac tctctgcaat 300
ccccgccttc aaatactatg aagcctgcac ctccctgggt tttctctcca acttcatcat 360
ccagatgcta gtgacaaaca ggccccagc tctggccatc acgtatagca t 411
```

<210> 20

<211> 501

<212> DNA

<213> Homo sapiens

<400> 20

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agtacttgta catatctctg tgatggtgtt catctcacga tgtttgattc cattttgatg 60
ggtttgttga tagcatgatt cctgctgtca ctatgatttg tgtttattat agctgtttcc 120
tttttaataa aggatgctgt tgcataataa cactgacatg aagctatctt ttcagaaatt 180
gcattctgta tgctgatata gtcattgcaa tgttgtaaag tgagtatttt gctaccaaca 240
gagttggatt atatatatta atatatcgat tagtgatatt tgttgtttca atataagaaa 300
ggacctatag ttatatattt tttgcatttg ttcttaggta gtatacacac tttcaaggag 360
agatagcaca gtaggcaata caatgtggct gaagcacacc ttgatagaag aacaaataaa 420
```

ggactgggca gaggtgaaaa tgattatgta ggaagtagga agaaagtcag attcaccata 480
gtcgaagagt catggcagga g 501

<210> 21
<211> 531
<212> DNA
<213> Homo sapiens

<400> 21
cgtccgggga agacatggaa gatctgggtc atgacccaga atttgatcgt ggaaaagcaa 60
gatgcataat atctgatggg atggatgcag gcctttggca actttgtact actagggaca 120
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 180
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 240
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aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgac 360
agaaagcaca ttatcacaaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 420
accctatag atatagaaag aaggagact cttcagaacg catgggtaca agaattaata 480
acctggttaa tggttcagcag agtagtcatt caagatccta actattttac t 531

<210> 22
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 22
gctccccgcg gtggcgggcg aggtactcgt aggttcagta tcattggtgg ccaattgatt 60
tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgccg tagggatggg 120
agggcgatga ggactaggat gatggcgggc aggatagttc agacgggttc tatttcctga 180
gccgtctgag atgttttagta ttaagttagt ttttggttgag agtggttagga aaaagggcat 240
acagggacta nggaagcaga ataaggaaaa tgattatgag ggccgtgatc atgaaaangg 300
tgataagctc ttctatgata ggggaagtac cgtctttagt accctacttg cgctgcatgt 360
gccatccccg gtcctgccccg 380

<210> 23
<211> 415
<212> DNA
<213> Homo sapiens

<400> 23
cgtcccgag gtgtggccaa cacagccggg gccttggcag gtgaggggag ggcctctgtg 60
cccaggagtt cccctgtctg tggggtttga ggccaccgag gtgctgcagg gtgggggttg 120
gcctcccttc agaggggggtc cgggtgtcag aggagggcac agaccccaga gcaggcccag 180
gagaggagga tggggctgcc ttccagggtc cactggactt tgctgacggc aggtggctca 240
tgagtgcga tctgccctga ctacacagata tggtcccatc ctggtagccc aggggtccccg 300
ggataccgcc tggccccgct gagggtccatg gatgatgggg gtccttcttc agctcagcct 360
cgctggggcc ggctgtggc tcccattttc ctttcagcgg gacaaagggg acttg 415

<210> 24
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 24

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agaaccgaga atcagctgta tggaaatgca cacagggtggc agatataaat agcagcagat 60
acacgaatca gtgcgggtcc atcatataac tcctagcttt agtctctaaa cttagggtcc 120
cactcaactc aactcctact ctaactcaag atataccata ccttggtttg ctctttctct 180
aagcatcgct gttctagtct tctaaggagc aggaatataa atctacatct atgtgaaact 240
acagcacccc caagggaataa taaagaatcc agtgctattc tagtaatttt agggcagtag 300
tacagtacaa tgcaaagtat aggcttttga actaaattgg cctgggttca aatatgagcc 360
ctctcacatt ctattagggt gaaccatata aaaatggaga tattcaatca tttttttaca 420
gtttcacgta gttcatctct gtattctagt ggtaaatcat tttaacctaa gtttcatttc 480
cttctgttgn tagttttttt a 501
```

<210> 25

<211> 515

<212> DNA

<213> Homo sapiens

<400> 25

```
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatatcctaa tgagatcatt acataacagt 240
atataaagaa tctcttcatc tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactggtaca gatagtaaaa tgtccagaag acatttcatc cacatggcag 360
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480
ctggcagtgt atgaatacta ggttctccat accta 515
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<210> 26

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(197)

<223> n = A,T,C or G

<400> 26

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aaagantttc tattatgcaa agtggttttag nactgacctg ntatatatga aagnnagnnc 60
taaaacactn tgnataanta ttacccttaa cttacacaat aatctaataa ggcangtata 120
ctatnathtt aagcccatct tacacatnca ggaacatagg aacgaagatt acatganctg 180
nactnaagn ggcctac 197
```

<210> 27

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 27

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tctgcgtggc actatattat ctttcatgta tngntncatt tattttatag catnaccttn 60
cctnatagaa tgtntctatag tnccaggaaa catagnngg cctgtcntgc tcacagctgc 120
ctcactntag cccanaaaac agcctgncac tcaagtnta ggcactcaag anttatcttg 180
taagcaaatg actcttgagc tcttattaca catgaattgt tgctatgggc accagagccc 240
cttccctgag aaggaaaacc acttgccctga ggtctcaaga ctcacacatt g 291
```


<210> 28
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 28
ctatagggcg aattggagct ccccgcggtg gcggccgccc gggcaggtag aaagaccaat 60
tccttcctaa cctggattcc actgtccttg gtgaaaacta ctttgatgga acctaccaga 120
tgctttatct tttggttaaa ggaactatac ctgtngaaat tcacactgcc acagngatat 180
ttgtttcttt ccaattatnt gttgcaacan aagatgactt ttatacctct cacaatctgg 240
ntaaaaatct tgccttggtc ctaaagatac caagtgacaa aatccgtatc agcaaaataa 300
gagggagag tctgaggagg aagagatcca tgggattcat aattgaaata gagattggag 360
accctcctat tcagttcata agcaatggca ccacaggtag gatgcagtta tctgaactcc 420
aggaanttgc tggttctctt ggacaagctg tnattttagg aaa 463

<210> 29
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 29
cctcactttg tccctctctt ggtttctgnc gatacccttg actacgatga atcaagttta 60
ccaagggtga ctgggtcctg tcanacccag gggatgcccc tgagcttncc tccttaccac 120
tggaagggtc anggatgcat ggatctccac gctacacnga tctncaggct atgcctctc 180
catnggantg tncctgggtn cntgtccttg ggagngnang gagggaatca gnttctnact 240
ctggcctgct cgggggtgct gaccagatn ctgnccctgc ctgccccaaa ggctaggtct 300
tctgcgacct ttcttgggtg caaggggagt ggggcggtg ggaangatg accacatttt 360
tcctctccat gctgaggggac aggttctggg tagactgaaa 400

<210> 30
<211> 391
<212> DNA
<213> Homo sapiens

<400> 30
tcactatagt tcgaattagg agccccaccg cggtggcggc cgatgtactt tttttttttt 60
ttttttgctt tttaattgga tgcctggaga caattccatt tcaattacct tattggcatg 120
acgagatata caagggtgct caatgtcaat acattaagac tgagcgtgct ggagcagcag 180
ccagggttca gggcactgct gtgtcatctg cgccacgggtg cacaaggca gcttcaaaag 240
catttcagca tgatcgcttc cctctctccg ctctggggga gagaaggatc ctgcacacca 300
caggcaaata atgctgaaat tgaggtgggtg cctttgggac tcccatccca tcacagtctt 360
gggattcttt agctgagatc tactagagcc t 391

<210> 31
<211> 370
<212> DNA
<213> Homo sapiens

<400> 31
cgaccacgcg tccgcactct aaccagacct ttctgcttat tctgtgaaat aacacaactt 60
gggcccattc agctctttgc aggttatcag actcttgctc tatcggtacc catgtaaaga 120

```
atttctaagg attattttct atagaaatgg gttcttcacc ccactgtttt actccaccta 180
cagtactact caaatgtgaa cagaatagga atagaaaatg aaagcaataa aatatgttca 240
aagagcattt taaaaatgta aatccatttt aggaaaatgt ctgaacctga gataaaagat 300
gaaagcaatt tagatcatta ttttattggg tggcacaggg ctagcctgca ccaacccttt 360
accaaaaggg                                     370
```

<210> 32
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

```
<400> 32
ccacgcgtcc ggcacatttc acctgattng ngtcgacgct ttcctccccg ntcagaagtg 60
acgagactgt atggatcggg ttgtgattta aggacgaaca aactnccccg ntcccctggg 120
ctaagcaa atctatgtttga tcttacaac tcattctcagc gattcatcca gagacatgat 180
tcattgtcca gtgtacccag tagttcttct tcaaggaaaa attctcaggg gagtaacaga 240
agcctggata caattactct atcaggagat gaaagggact ntgggagact gaatgtgaaa 300
ttgtttttata attcttcagt agaacagatc tggatcacag ntctaccagg gcaagagatt 360
taagttnggc cctctagtta tgggaggaca ctctactgt ttctataaaa ggaataactta 420
cattgcccaa accagtgcac ttcaaactct cagccaagga aggttccaac gctattgaat 480
ttatgggaaa ccgtttgtat tngctattaa acttcaaaat ctacaaactg taagacttgt 540
atttaagatt caaaccaga ctcccaggaa gaaaaccatt ggagaatgct caatggcact 600
cagaaccctt gcacacagga aaaggaatac tctttggata taacaccacc ttcaaaaaa 659
```

<210> 33
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```
<400> 33
cgccnccgct ccgggataga gcaggcacct gggttctggg aggcctggta ctgttttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaantttta aagacaaaaa ggagtganen nttttagnnt gttttntttc ttgananaa 240
aaattccacc ccggtccent ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaan ntggganctt tnnntngggg ccttttataa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416
```

<210> 34
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

```
<400> 34
agggcgaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
```

```
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttgttcgt cggcccgttt nan 333
```

<210> 35
<211> 493
<212> DNA
<213> Homo sapiens

```
<400> 35
gcgtccgctt caggtgccct tataaggctt ccatgatgca gtcacctaag actgggggtgt 60
cttagtagca aggatgacaa tgtgatgtgt atttttgtta acctctgtgt gtatggcttg 120
aattgatgct ttgtgtgtgg ccagagggga gaggtggtgg taccctggca cgatcgtgaa 180
atggatagga taatgttttt aaacttagtg ggagagagaa atgaaaacca accagaatat 240
aaggccatct aaagtgctaa atagactcaa gcaggttcta tggaggagga agaagtgatt 300
aattctgatg gggaggctgg ggaagcaggt gtctaaggaa aggttaccaa gaagggtggca 360
attgaacttg gccttgaagg atttaggggg tagaatgcta gggaaaatat tccagggtga 420
gaaaatgagt gagaagaggt gcaaaagagg accactccag agaaacagtg ggtaataaga 480
tttgactgga ggg 493
```

<210> 36
<211> 435
<212> DNA
<213> Homo sapiens

```
<400> 36
cgcggtccgct aatttttagaa aaacgactct tcagaacaga tgacacatag aaatgtgagt 60
ttatgtaaac atgtaaattt gagtagcatt agtttgtttt ctgttttagga actgtatcag 120
ggtagacaaag atgaaagaat gctgccagaa aagtatatgt ttaaattttc aggcctccat 180
tggtgaagtt tcaagtaacc tttcacttaa gttacttgtg tcagaggatg gatgatgggg 240
tcatttaaata tggttgacaa agccatgaaa ggacttttaa aattttgtca taaaaatagc 300
caatgatgtt ttttaatttta catctaaaac taatttgcatt taccctgtgg ttagtgactg 360
aatctcaact cagtcctcat ttttttagttc aacttttgac aaccttatat tcattgacac 420
catggacagc acagt 435
```

<210> 37
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

```
<400> 37
aaacngttct aggggggttga actacatagt aaaaaaaata aaataaatag tacttagtgt 60
aaaataattt tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120
atataaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaat 180
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240
tgtctnaata aacaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300
tatccacagn acaaaaatgg tttgnnttt 328
```

<210> 38
<211> 321
<212> DNA
<213> Homo sapiens

```
<400> 38
ccacgcgtcc gatttttaggg aaacttttagt tccacagtat ttccaaaagt aatttccagt 60
```

```
ttagctctta agactcttca gtgaactggc agccttttaa taagaatgta ctgtattaga 120
aagtacaggc tttaattttc taagtccttt aacatgagta aagggcacgt gtctttctga 180
catctatttg tgccgttttc cacttgatcat tttaaagaat tgggaccttc agatgtcaca 240
actaaatgca agtttctaag gcttttcctt ctaaattgct cattcttccc tcttttcctg 300
gtacactgca agcacttact c 321
```

<210> 39
<211> 212
<212> DNA
<213> Homo sapiens

```
<400> 39
acccacgcgt ccgcttacgt ttgttggttt tcagtaatgt gattttcttt taagttgggg 60
gttatgcagg gttgtcattt tggtataacc atctaatttc tgcctgtgct gctttaatgc 120
taaatgagat atcaacagct gacttcatat ctcacctgtg agctccctgc tgagtttttg 180
agggtctgct catgggaaga aataggaaag ag 212
```

<210> 40
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

```
<400> 40
tcgccccgcg tccggccatc ccgcagtatg caaggagaag ggggagggan ggatcaagct 60
ggtantacat gccaaagata cctntnattt aatgatagtt gctctggagc aactagcatt 120
taagttcatt cgctngctct tttgtgatta gctctcanca caccaacttt ctaggatttc 180
cgtaatgcta gttctgtctt tgctgatatg gagttcacct atgggtgatgg cccatctgta 240
cttgtttata aataaggaac acatagattt tagaaaatca agtaaagcan aattaattng 300
cagaacagtn tcaacagnta tcattgatta gtctttggag aatcaagagt ttttattttc 360
tgagggtggg gtgaagtang atgttttatt gaaacagngt ccccttacc aacnatcatt 420
tattgctctg gaaggactta aggcttcatg gtaat 455
```

<210> 41
<211> 302
<212> DNA
<213> Homo sapiens

```
<400> 41
cgggtggcgg ccgggtcaac gcagagtccc gggaagcagt ggtaacaacg cagagtcccg 60
ggaagcagtg gtaacaacgc agagtcccgg gaagcagtggt taacaacgca gagtcccggg 120
aagcagtggt aacaacgcag aggctttcag cacagcccag ggtgcccggg actgaaaact 180
ccttcaccag cccctccac aggatataga agacttagat cactacgaga tgaaagcaga 240
gccattagtg gggaaaaagt tggaggatga aggaattgaa aaaaaaaaaa aaaaaaaagg 300
tt 302
```

<210> 42
<211> 541
<212> DNA
<213> Homo sapiens

```
<400> 42
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctattttaaa 240
acaaaggtta cattaatttc tttaacaagg acatcacatt gttggattgt gttgaacctg 300
```

```
tgatgaaata aaaggctcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541
```

<210> 43
<211> 365
<212> DNA
<213> Homo sapiens

```
<400> 43
ccgcggtggc ggccgaggta ccctctcata tatgcaaaca aatgcagact agggcctcag 60
gcagagacta aaggacatct cttgggggtgt cctgaagtga tttggacccc tgagggcagg 120
cacctaagta ggaatcccag tgggaagcaa agccataagg aagcccagga ttccttgtga 180
tcaggaagtg ggccaggaag gtctgttcca gctcacatct catctgcatg cagcacggac 240
cggatgcgcc cactgggtct tggcttcctt cccatcttct caagcagtgt ccttggtgag 300
ccatttgcac ccttggctcc aggtggctcc ctacgtctgg actctaccac ttgggtctcc 360
agatt 365
```

<210> 44
<211> 390
<212> DNA
<213> Homo sapiens

```
<400> 44
ccacgcgtcc ggtgtatggc tgtgtctaca tgtgtggtag attcacgtgg cgagtggagt 60
gtgacatggt gttgagactt actctgatgc gcttatctgc caactgtgaa atgaaataga 120
agacagggag gcttcgtatg tgtactttgt gtacaacaat gcgcggttcc tacaggaggt 180
gtccatggat ctccctctct gtctgtctct ctctctgtct ctgtcactgt cttctcacgc 240
cactttctcc atctcttttc cctcccagcc agaccctgcc gtctctccct ctgggtcctc 300
ctgcccacat gtcaggaatc tctgcctgga cggggtcctc actccccacc gaggcagctc 360
caggggacct ggagggcttc aagcttgggg 390
```

<210> 45
<211> 315
<212> DNA
<213> Homo sapiens

```
<400> 45
cgcgtccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgag ctttcattcc 300
aacagtctaa cattt 315
```

<210> 46
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

```
<400> 46
aaggggattc tgacggagtc gtggtcacac cagctggccc tgcgcagccc catgggaaat 60
aggcctggaa ttctgtctcg gaggaggctg ggggaagggg agccagcagg gattccagag 120
ttctgccaat aggcggcct ttggccatca gggaaagccc agactctggc cacagaatgg 180
```

```
agaattcgtt ccgtagacctt accaggggaag aaagtgaccc cgnaagacag caatngnctt 240
cttggtgaag gggcacattc atttattaat ccaatgtcca ttaagggtcac tctgccaggc 300
aggatgtggg gcttatggct ggtgcgtgtg gctttgtggg gggagggggt gtggctggtg 360
aggacacaaa gctgactgcc ctagaangag ctcagagcct cacttctgtt ttctctt 417
```

<210> 47
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```
<400> 47
atgtggctct gaacatgacc agtgcctcca gctnccanat gctgacangg tgcanatgan 60
catantcact ggnctgttct ctggtggcac ttcactgggc cgganagctg gtgctgagcc 120
agnggatggg catcctancc accatcgann ngctggnggn ngcgggcctg gntgacctac 180
tgagcacagc ncaacagnaa caacatgctc acctatagt atcacaggcc tatttggntt 240
tgcgatccta tatctgctgc tgggtgcncat gtgctacata tcannacngc tanntcagca 300
gnaaaccttc gagggacacn gnnggangca nnggacgcct tntgncagggt gggccaacaa 360
ccgctcattg ccgtggcact gctgggcaac at 392
```

<210> 48
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```
<400> 48
gggggggctg gggncgggga acnccgttat caaaacaacc aatnggntng gatccaacct 60
ttgtggggac catgagncgt gtttggactc ntacctaaaa attaacattg ggtttggcat 120
tagtnctca aggaaaagag ggtggccaat cgttttttatt ttttaggggg ggtaataaaa 180
aaccaacgag gaccgtgagn gggttttaat aaggagaatt atattggacc acngnaatgg 240
tttctccacc ttgtctatcc aaccattgta gttgtanttn ttggtgaaaa aaccncctt 300
gtaatanacan ccttgtttaa atangtgga ggggccaaat tnggaagcnc cattgggant 360
nggaatcatt ngnaggcgtt atttttcggc cnaaccgaag gtttangacc acganggggg 420
gggtttaaac aaaattggaa acaagttnng gnaaacccct ttttagggcc ctttggngg 480
gaataattgg ggataaaata attcngggct cggaaggca aaaanttaa nttttttggg 540
gggggggggg ccnttaggg gggtccttca aaaaaatta atttggggat tgggcccaaa 600
gggggttcnt ttcccaaaag g 621
```

<210> 49
<211> 567
<212> DNA
<213> Homo sapiens

```
<400> 49
ggggaaactt ttaactccaa caggctcatt gtatttgtgt agatttggtt cattttgcaa 60
agagggttca taaaattatg ggaaaccttt tcctattgt actgggagca tctctgggaa 120
ggtgcaggtt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180
ttccgtccac ccactccctt cgacaaaaat ctcagtacag ttctcattgc tgctgtccta 240
aaatattctt ccccccttcc tacatcatac aactgcccgc ctgcttaatc ttcccagaat 300
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360
cgagtaccgt cctttctcag taactttgtt tcccactatt ctgccccggg cactgcagag 420
cccacagtca cagactcgtt ctaacagtgg attcaccac acgttcccta ggctcatcat 480
```

tacagcctct gctgagttac aggcaacccg caccttcaca caccttttgc ctaactgacc 540
tatttattat ttccatcata taactca 567

<210> 50
<211> 473
<212> DNA
<213> Homo sapiens

<400> 50
caggtttttac ccactggctc taggttttgc ttacgttgca tgaagggttga ggggaggcctt 60
tcactctgcg aacttgaaat tgggtgtgat cccatattct ttgattagaa cgtgaaaagt 120
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360
catgggcata cgcttatgag cgggcgcagg gaagataggc ttctgctcta agattaaaca 420
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473

<210> 51
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 51
caacgggact gttaaattgac atgcaactat ggaaacggcg gntgccagca cacgtgtgat 60
gacacagagc aggggtccccg gtgcggnctg catatcaagg ggngtgctcc ataccgacgg 120
gaagacatgc atcggggaaa ggcnggctag agcagcacan cccactcaa gcggtttcta 180
atgagacctg tgctgtnaac aacgggggct gagacagtaa gtgccatgat gcagacgact 240
ggtgttcact gcacctgcc tgtgggcttc atgctgcaag ccagacagga agaacgtgca 300
aagatataga tgagtgceng cttaaaca 328

<210> 52
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 52
ccgcggnngc ggccnaggta caccaaattg attacaagca gcatccagca gaagacagac 60
cccccaaccc tgcccaccag ggctcacact ctacaaaacc ctgagggcct agaatctgt 120
aaatgcatcg ncaagcactg gggctgattt gcagtaattc tctaagcaag gcaaacatga 180
tctagctttg aaggcagcat gaaggcagcg ggttgngag aacaatctnt ccttaagaga 240
agaagaaacc tggggcggan ggagttttcc ccgg 274

<210> 53
<211> 487
<212> DNA
<213> Homo sapiens

<400> 53
gtggcgggcc aggtacatgg taaatcagtc ttacaaaagg cttatttttc caggcaggag 60
gagaggctgg tgggtcttgag cttttggcct ggaattccag tctgaatttt caaatattcc 120


```
ctgcctccaa cccctttggg tcctagtctt caagccaata acagagcagg agtctgaccc 180
tgttctgttg cctggcacgg ctgaatcaaa gccattctgg aagcagatgt taaggtgaac 240
ttgtcacttg gtatgtaggc ccgactccca tcccagaggt ggcagtgggc cttggctcaa 300
gatcaagttt gaactaaaat attacttgga tttttcacia agagtgtccg ttgaaagcaa 360
taaggaattc cagaacagaa ctgcacttct tgtccctctc tcacacttac aaagcttcag 420
aaaacattaa aatgcatta cctcctagga attacaaaag atcacccaac tgtacctgcc 480
cgggcggg                                         487
```

<210> 54

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 54

```
nctgacagag ctgtgcaggt accagaggtg aaggtgggaa cataggtgta gggggctttc 60
tggtggcttc tctgttctcc cagctccctg gccttagatc actaaggagc gccgtctggg 120
cgggcttgag gcaaaggag tggagtcagg aggagattca gtaagggaaa agatgctaga 180
gcctccagag cctgtgggtg gggctgagtg atgccccag ctgtgagtc ctctgggtcc 240
ttggcctccc ggcagtcctc ttagggggccc ttaagggaga gtcccaatct tcctcccat 300
ggagtgggta ctggctccac accctgaagg cctggggggg ccacatctgc tgggtttggg 360
gagacgctct ttctgtctat gaggggctgt agaagctacc ttctgggca gtgcagctgc 420
ttctaagcag tccttgctct tgcgctccat gttttt                                         456
```

<210> 55

<211> 348

<212> DNA

<213> Homo sapiens

<400> 55

```
acgcggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aataactaatt tggtattatt ttaataata atttttgttt 120
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccaaat ctaaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaagag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt                                         348
```

<210> 56

<211> 493

<212> DNA

<213> Homo sapiens

<400> 56

```
gcgtccgtat aatgtaata tctctatggt ataattctgt tgctaattgtc ttttttccaa 60
gaaaattttg gctaataatt ctttaggtat tcctttttct ctcatagtga gggattaaaa 120
aaaaaaaaaa ctgttgaaaa attagggcgt aaaaatgcta aatgacatga ctcatcatgg 180
gccacgtagt taacagaaga gccagatttg gctgcaagtc actagatttc cagcctgcag 240
tcctcctctg caacaacaga ccagctctgg gatttggtac agtgcctgtg agacattaca 300
ggactggagg acccatatta tatccattaa accagtctga atttggaaat gatggagggt 360
gtagtctaag ttgtagggag ctttgcaaga acctgtgctg gggtccttga tcctgggtgga 420
atgggggtgta gggaatgagc gcaaatgcaa ggggttaagg agggagctgg gtagttatca 480
cttttttagag tgc                                         493
```

<210> 57

<211> 497

<212> DNA

<213> Homo sapiens

<400> 57

```
cgggcaggta cgcgggatgg cacgtgcagc gcaagtaggt ctacaagacg ctacttcccc 60
tatcatagaa gagcttatca cctttcatga tcacgccctc ggaatcattt tccttatctg 120
cttcctagtc ctgtatgccc ttttcctaac actcacaaca aaacttacta atactaacat 180
ctcagacgct caggaaatag aaaccgtttg aactatcctg cccgccatca tcctagtcct 240
cattggcctc ccatccctac gcacccctta cataacagac gaggtcaacg atccctccct 300
taccatcaaa tcaattggcc accaatgata ctgaacctac gaggaccctc ggccgctcta 360
gaactagtgg atcccccggg cctgcaggaa ttcgatatca agcttatcga taccgtcgac 420
cttgaggggg ggcccgttac ccagcttttg ttcccttttag tgaggggtaa ttgcgcgctt 480
ggcgtaatca tgggcat 497
```

<210> 58

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 58

```
cggccgggta ctgngtcatg gtaggatgtc ctgagacaca atnccctgta tcagaagtag 60
aggatttgca atcttcatct tctgagtcac tagaactatc ctcactactt gaagatgatg 120
aacttttgga atctgatgaa ctatcacaaac tactcatctg gtccattaga ctagcttctg 180
ccctcaagtt ctctttcgat atcatctatn gggaggatgc tggggggacat cttatcttca 240
agatggagaa tgtttttacaa gattgggagt cctggctgaa ttccacattt gttgttgctg 300
gtgttcttta cgatactgaa ttttactgnt tccttcaact cttgtttttt ttacagtgga 360
tgttgcttgc tgagtttttc taggcccgcac attctccaag tatcatgggt aataatcaaa 420
aatggc 426
```

<210> 59

<211> 135

<212> DNA

<213> Homo sapiens

<400> 59

```
aggtcaagct ttgttttttt tttttttttt tttttttgag gcttggaagt atttaatagc 60
agacaaaata tagttcaata tgaaaagcat tatatgagac aaaggcaatt ttcaaaaatt 120
gataaaacat tccac 135
```

<210> 60

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(895)

<223> n = A,T,C or G

<400> 60

```
tgcgtagggg ttccgtaccg ggggtgattcc gaatnaanga cctctggaat aatnccgnag 60
gggtgtcctng cgaggncncc gggggggggag nattcgcgac gtgagntttt ctcagnaagn 120
cnggtcaccg aaggnggtgc tcagaaatgt ttacacntag atctcacgnt tctccaaata 180
aggaagtgna gaccacggcn tacctttttg cggacgacct naagcggaga ganaaaacnc 240
nttttggtta tgnangnagg ggangntcat atananaaag ttnttanacc acccnccaat 300
naaggtnagg ggccccttaa aaataagtct atgncccnna accccacact ntttaaangg 360
gaaanaagnc cggttttcca aangccnctt caaaaaccaa ctcccnacct ttanccctt 420
aaaananaaa aaaaatttcn tcnccaaaaa taacccaatt taattnaaan cgttgggaaa 480
```

```
aaccttncct cctttccaaa ccaaaccncc nccaaaaaatt tttgggggga acccccaaca 540
atttccttta attcccaacc ccngcntta atttaaggga aaaagggtta aaacccttta 600
aaaaatttgg gntnttnaag gnttnanttt taaaaagggg ttnaaaaccc aaatttgggg 660
aaaaaaaaana acccaatttt tttcctttcn ncnnttttct ccggggccna atttaaaaaa 720
gggccccccc tttggggccc nggtttccta aaggnnaaat ttttnaaaaa anaaaaancc 780
aacccttttg naaaaaaccc tttggggaac ccanaaantt ttttaaaaac ccaaagggcc 840
ccccccaan aanttaattt ncctttaacc caaaaaattt ccaaaaaacc cccna 895
```

<210> 61
<211> 437
<212> DNA
<213> Homo sapiens

```
<400> 61
cccttagcgt ggtcgcgggc gaggtacaat ttctaattga tcctgttcac attcagtga 60
atggcattgc atatttataat gttgcttaca gcttattgat ttaggtaact attgtgtctt 120
ccttcactat ctgacctgaa aagcactctc ttctctatgc actcttataat tctgcctttc 180
tgcctggagt ttgaaataca tgtctcttta gtttcttttg cacatgctac attgtgcttt 240
agaccggaga taatacagtg actttacctc acaaatcata ttctgtcaac acaaatctat 300
gaatttagtt tattttaaatt cagaacaatt tcctacaaaa tttttctgga aaatagactc 360
ctaacagacc taccagaatc atgcttaaag ggctcccttg acacttattc tatactgaag 420
gataaatttt aaaaaat 437
```

<210> 62
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

```
<400> 62
ncnttttttt tttttttgaa cccctcccg ttancannac ngncacttgc nacattnatn 60
taaggggggc acngtanana tatgggntta aacccttacc ccacnccgt ngngctngg 120
ngaccgtgaa cnccgtcacn ccgtgtgnac cacgaggnta anccgtgncc acaatggggg 180
atcctnatte ttgggcnctt gtanaatggc aaagattnaa gcgatcatng gnattggagg 240
gtgttntcag ccantggaag aatttaacaa ccctnaagat ttaacttngg ggngcgacaa 300
ttttaanaag gngcgngggc ttngagttaa agtngcgtng gattngaacc tccttaattg 360
gantggnggg ggaanaaaaa gcctaatang gcttgggggn ggatccttta aagccggggc 420
ggccccaant tctttttntt ttaaaaaaat tcccttttga aaagggaag gnaccggcca 480
aataataggg ggccnccctt ttaatttcaa naaattttcc aaagcccgtt ttggggccgn 540
gnaccacctc ccggggccct tttccgaant ttaaagaaag ntggggggan gncnnaaatt 600
ggggggcnc 609
```

<210> 63
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

```
<400> 63
ccacgcgtcc ggcagccaag cctttttgcn cctgagccac ggagacagcc ctgtgtccac 60
ctccaccctt ctcccgagga agaccctggc ttccttcagc acccagtgga gcctggatcg 120
gagccgtacc ccccggggac tagatgatga actggacacc ggggatgcca agttcttcca 180
ggtcattgag cagctcaact cgcagaaaca gtggaagcag tcgaaggact tcaaccact 240
```

```
gacactgtac ttcagagaga aggagatgga gaaagagtac cgactctctg caatccccgc 300
cttcaaatac tatgaagcct gcaccttcct ggtttttctc tccaacttna tcatccagat 360
gctagtgaca aacaggcccc cagctctggc catcacgtat agcatcacct tctcctctt 420
ctcctcatcc tt 432
```

<210> 64
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

```
<400> 64
tcgacccgc gtccgccccg cgtccgtggg aaggcagata aaatgccagg tctggactgc 60
ctctggggat aacctcacc cgtgggatgt gaatgaatag cntcttgcc ggtaaatacca 120
caggaattga taaggcaggc gcagttctcc caaacaggcc ttttctcttt aagctgtagc 180
tgtggtttct gcagcaattt tgtttttgcc ttgaaagagg tgctctggat tatcacacct 240
ccatgtatga caatttgtac ctgcatggaa ttgaagactc ggaggctgta agtattttca 300
tagatagcta attccctctc cctcctctt cctcctccca ctatcccctc ccccccccg 360
cttcttattt cttaggcaac gcagggaaca tggagcagaa agctaacatc attctgggg 419
```

<210> 65
<211> 395
<212> DNA
<213> Homo sapiens

```
<400> 65
acgcgtccga taaagtaaat gaagaaaaag gcaaatatat ttgaatgtta ttgttacata 60
ttcatcaaga cacaattctt gctaaaaagg acagcgacgc gctgcttaaa tctacattca 120
agaacaaagc ccacatagac acactttcct cagtgaaaaa aagaaaataa ggggagaatg 180
aatcccagtc ctaaaataaa ccattcagag attttgtgtt taaataacta ttaagagatt 240
ttgtgtgagt tctgtgtatt tctacagtgt aatccaggat tcacttttta aaacaaaaat 300
gtaaataggc attaaatata tttttaaaaa gaaaattatc tagttttcct tcctactttt 360
ttcaagcaat taataagaaa gacaaaaatt ttggt 395
```

<210> 66
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

```
<400> 66
aggtaccnna ngggaaagat gaaaaattat aaccaagcat aatatagcan ggactaacc 60
ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120
gacccccgaa accagacgag ctaccta 147
```

<210> 67
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)

<223> n = A,T,C or G

<400> 67

```
atgtggctct gaacatgacc agtgcctcca gctnccanat gctgacangg tgcanatgan 60
catantcact ggnetgttct ctgggtggcac ttcactgggc cgganagctg gtgctgagcc 120
agnggatggg catcctance accatcgann ngctggnggn ngcgggcctg gntgacctac 180
tgagcacagc ncaacagnaa caacatgctc acctatagtg atcacaggcc tatttggnnt 240
tgcgatccta tatctgctgc tgggtgencat gtgctacata tcannaengc tanntcagca 300
gnaaaccttc gagggacacn gnnggangca nnggacgcct tntgncaggt gggccaacaa 360
ccgctcattg ccgtggcact gctgggcaac at 392
```

<210> 68

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 68

```
cgccncgcgt ccgggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtggcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaantttta aagacaaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtccent ttttttttta aaaggggggn aaaaaaaaaa nggggcnntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ctttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416
```

<210> 69

<211> 567

<212> DNA

<213> Homo sapiens

<400> 69

```
ggggaaactt ttaactccaa caggctcatt gtattttgtgt agatttggtt cattttgcaa 60
agagggttca taaaattatg ggaaaccttt tccctattgt actgggagca tctctgggaa 120
ggtgcagggt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180
ttccgtccac ccactccctt cgacaaaaat ctacgtacag ttctcattgc tgctgtccta 240
aaatattctt ccccccttcc tacatcatac aactgcccgc ctgcttaatc ttcccagaat 300
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360
cgagtaccgt cctttctcag taactttggt tcccactatt ctgccccggg cactgcagag 420
cccacagtca cagactcgtt ctaacagtgg attcaccac acgttcccta ggctcatcat 480
tacagcctct gctgagttac aggcaacccg caccttcaca caccttttgc ctaactgacc 540
tatttattat ttccatcata taactca 567
```

<210> 70

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(346)

<223> n = A,T,C or G

<400> 70

```
cggtggcggc cgtaaacaat gtgtcactgg gcaggcgggt cctctaatac tgggtgatgct 60
agagggtgat tttttggtaa acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
```

```

ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaatgtttt catgttactt atactaacat tagttcttct ataggngat 300
agattggncc aattgggtga naggagtnca gttatatgtt tgggat 346

```

<210> 71
 <211> 437
 <212> DNA
 <213> Homo sapiens

```

<400> 71
cccttagcgt ggtcgcggcc gaggtacaat ttctaattga tcctgttcac attcagtga 60
atggcattgc atatttatat gttgcttaca gcttattgat ttaggtaact attgtgtctt 120
ccttcactat ctgacctgaa aagcactctc ttctctatgc actcttatat tctgcctttc 180
tgcctggagt ttgaaataca tgtctcttta gtttcttttg cacatgctac attgtgcttt 240
agaccggaga taatacagtg actttacctc acaaatcata ttctgtcaac acaaatctat 300
gaatttagtt tatttaaaat cagaacaatt tcctacaaaa tttttctgga aaatagactc 360
ctaacagacc taccagaatc atgcttaaag ggctcccttg acacttattc tatactgaag 420
gataaatttt aaaaaat 437

```

<210> 72
 <211> 391
 <212> DNA
 <213> Homo sapiens

```

<400> 72
tcactatagt tcgaattagg agccccaccg cgggtggcggc cgatgtactt tttttttttt 60
ttttttgctt tttaattgga tgcctggaga caattccatt tcaattacct tattggcatg 120
acgagatata caagggtgc caatgtcaat acattaagac tgagcgtgct ggagcagcag 180
ccagggttca gggcactgct gtgtcatctg cgccacgggtg caciaaggca gcttcaaaag 240
catttcagca tgatcgcttc cctctctccg ctcttgggga gagaaggatc ctgcacacca 300
caggcaaatc atgctgaaat tgagggtggtg cctttgggac tcccatccca tcacagtctt 360
gggattcttt agctgagatc tactagagcc t 391

```

<210> 73
 <211> 541
 <212> DNA
 <213> Homo sapiens

```

<400> 73
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctatttttaa 240
acaaagggtta catthaatttc tttaacaagg acatcacatt gttggattgt gttgaacctg 300
tgatgaaata aaaggctcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541

```

<210> 74
 <211> 315
 <212> DNA
 <213> Homo sapiens

```

<400> 74
cgcgctccga ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgag ctttcattcc 300

```

aacagtctaa cattt

315

<210> 75
<211> 471
<212> DNA
<213> Homo sapiens

<400> 75
gatgcataat atctgatggt atggatgcag gcctttggca actttgtact actagggaca 60
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 120
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 180
gtacttccct ttttggacaa gatgtgaaag ctggtgttgc agaagacaac aatataaaag 240
aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgac 300
agaaagcaca ttatcacaaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 360
acccttatag atatagaaag aaggagact cttcagaacg catgggtaca agaattaata 420
acctgggttaa tggttcagcag agtagtcatt caagatccta actattttac t 471

<210> 76
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

<400> 76
ccacgcgtcc ggcacatttc acctgattng ngtcgacgct ttcctccccg ntcagaagtg 60
acgagactgt atggatcggt ttgtgattta aggacgaaca aactncccg ntcccctggg 120
ctaagcaa atctatgtttga tcttacaac tcatctcagc gattcatcca gagacatgat 180
tcattgtcca gtgtaccag tagttcttct tcaaggaaaa attctcaggg gagtaacaga 240
agcctggata caattactct atcaggagat gaaagggact ntgggagact gaatgtgaaa 300
ttgttttata attcttcagt agaacagatc tggatcacag nttaaccagg gcaagagatt 360
taagttnngc cctctagtta tgggaggaca ctctactgt ttctataaaa ggaataactta 420
cattgcccaa accagtgc atcctcaatctt cagccaagga aggttccaac gctattgaat 480
ttatgggaaa ccgtttgtat tngctattaa acttcaaaat ctacaaactg taagacttgt 540
atttaagatt caaaccaga ctcccaggaa gaaaaccatt ggagaatgct caatggcact 600
cagaaccctt gcacacagga aaaggaatac tctttggata taacaccacc ttcaaaaaa 659

<210> 77
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 77
cgccnccgtt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60
ttgtatgtca atcctgaatt ctctagctg gtgagagagg cacaagagat gctaaaggag 120
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacggtg tcgagcactg 180
gatagttgat taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagg 300
gtggaaagcg agaggcagag ctggttgtct tctcgagtcc aggacttgag ccctgatctt 360

<210> 78
<211> 431

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 78
tccgctaggt cccagatgg ggaagactga ggccgtggct gtgtgtccct ctgagagttg 60
gagcggggct gggcccgaat tcgaccgcag caggattctc tntcatttct gagccccgga 120
ggtggcagag cggcagaccc gggcaagtga accctagggc tgcaggagcc caggccccga 180
cgccggcgca gaggggacgg aagggcccg cccagccca gcgtgcacag aggccatagc 240
caaggcctta aggctcatcc aaccggggac tcatatcccc cccaccggca gcccggcgcc 300
ccagcctcta cccgtgccc cccagatgct gctgccgcgg tcggtgtcat cggagcgggc 360
ccctgggggtg ccggagccgg aggagctgtg ggaggcagag atggaagccg gctgcgccgg 420
ctctgggacc g 431

<210> 79
<211> 365
<212> DNA
<213> Homo sapiens

<400> 79
ccgcggtggc ggccgaggta ccctctcata tatgcaaaca aatgcagact agggcctcag 60
gcagagacta aaggacatct cttgggggtgt cctgaagtga tttggacccc tgagggcagg 120
cacctaagta ggaatcccag tgggaagcaa agccataagg aagcccagga ttccttgtga 180
tcaggaagtg ggccaggaag gtctgttcca gctcacatct catctgcatg cagcacggac 240
cggatgcgcc cactgggtct tggcttccct cccatcttct caagcagtgt ccttgttgag 300
ccatttgcac ccttggtctc aggtggctcc ctccagtctg actctaccac ttgggtctcc 360
agatt 365

<210> 80
<211> 180
<212> DNA
<213> Homo sapiens

<400> 80
cgcgctccggg gaatagtgga atgaaggttc atttttcatt ctacaaaact aatgaaaccc 60
tgcttatctt aaaccaacct gctcactgga gcagggagga caggaccagc ataaaaggca 120
gggcagagtc gactgttgct tacactttct tctgacataa cagtgttcac tagcaacctc 180

<210> 81
<211> 367
<212> DNA
<213> Homo sapiens

<400> 81
attggagctc cccgcggtgg cggccgcccg ggcaggtagc cggggaggag gcggaagcgc 60
agcggggggcg ggaagggtgt agtgccgcga gttgagctcc tcttgccctaa gtggtcgcgc 120
cccctttaag agcagcgatt gtaaggagag gcggtcccgg tgtcctcggg tcccagggtga 180
ttgtgaagtg ctgaccaatt gccactggac atacttgaaa caaaatagga aaatggcagc 240
aaaccctgtc tctaaatcaa tcaatcaagc gagccagaat gcagtagtgg cctgagagag 300
gcatcctgga acgcagtgcg gtctgggctag gcttagaagt attcatgtga tttttacctg 360
acaaggg 367

<210> 82
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 82
tcaggctcga ggacatacgc tcccacgtgc cctaacgcc a tcgagngncc tancgctacc 60
tctagcgcag aatgatgcc acgcctcgta ctacccaccc tagagcccgg tccatcgtgg 120
gaacgtggat ttacatnggt aagggaattt ancaancgnc cggaannttt nggnccgacc 180
cttagttgcg tcggatgcgt tacntaanan canttngaac ccttttaanc anggtncctta 240
accaattggn ntngngggnc gccnantnng ntaancgcaa tttggaaaat gnaaccatag 300
nncaacggtt ggaaccacga nangggaaanc accttgccggc cncttggnngn aaatctccca 360
cgatngaaaa ccgcnttggc ntnggttcgc gctctaannn aaaggttagga cgcgcactt 419

<210> 83
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 83
accccgcgtc cgtaggatgg atctgatctg aaaagcaaac attcaatnta aattttcaata 60
gntctctgct tgtgcttgat ctagtaatgt cttttcaaaa gggattatag aagggtgaatg 120
ttaaaacaaa tcattttgat tttccatagt gagttaagaa atacattttg ttgttcctct 180
tctgctttct aagtaatatg ttgggcttct ttcttgtttt gtcgatgtga ggcatagtcc 240
gaggaaacct ttgntnncta taaatcctga tattcttttg attggaagag gcagnttcct 300
gaataagaaa gagtctgact acactgggta aattgtcaga ttattttgtc ctcacagaan 360
nnaaagncta aaattgggtg agggcattgc tttgaaagan tatttntatt tattctttta 420
aagaaagnag attaataaaa agattgatca gttcanatac ctgg 464

<210> 84
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 84
acgactcact attntngggg naattggagc tccaccgcgg tggcgccggt taaacatgtg 60
tcactgggca ggcgggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcggggtaa gatgtgccga gttcctttta ctttttttaa cctttcctta tgagcatgcc 180
tgtgttggtg tgacagttag ggtaataatg acttggtggt tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgtaga ttgggtccaat tgggtgtgag 360
gagttcagtt atatgtttg 379

<210> 85
<211> 536
<212> DNA
<213> Homo sapiens

<400> 85
ccacgcgtcc gccacgcgt ccggtcccag acgggctttt ccagaagct aaaagagaag 60

```

ggccagagaa tgtcgtccca gccagcaggg aaccagacct cccccggggc cacagaggac 120
tactcctatg gcagcgtggt aactcogatg tagccccagg ggtggcgagg agctccagcc 180
agagggggaa gtctctctgc cacaccagca taccaccggt cctgtaccac gcctgcctgg 240
cctcgtctgc aatccttggt ctgctgctcc tggccatgct ggtgaggcgc cgccagctct 300
ggcctgactg tgtcgtggc agggccggcc tgcccagccc tgtggatttc ttggctgggg 360
acaggccccg ggcagtgcct gctgctgttt tcatggctct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcacc agccaagatg 480
ggaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536

```

<210> 86

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 86

```

cctcactttg tccctctctt ggtttctgnc gatacccttg actacgatga atcaagttta 60
ccaagggtga ctgggtcctg tcanaccag gggatgcccc tgagcttncc tccttaccac 120
tggaagggtc anggatgcat ggatctccac gctacacnga tctncaggct atgcctcttc 180
catnggantg tncctgggtn cntgtcctgg ggagngnang gagggaatca gnttctnact 240
ctggcctgct cggggtgcct gaccagatn ctgncctgc ctgccccaaa ggctaggtct 300
tctgcgacct ttcttgggtg caaggggagt ggggccggtg ggaangatg accacatttt 360
tcatctccat gctgaggggac agggctctgg tagactgaaa 400

```

<210> 87

<211> 429

<212> DNA

<213> Homo sapiens

<400> 87

```

acgcgggggt tgcattctctg gggccaagga gtggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggt gtggagctct taccagacc tgcagaacc 120
tctccgtggt gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tggtgatggt gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggaggaggga tggagtccct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtct ttggagctgg ggcagagggg 420
agcttgagt 429

```

<210> 88

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 88

```

cgccnccgct ccgcactgcc tctgtctctg tctctcatat acatatacac acacacacac 60
acacacacac acacacactc tctctctctc tctctctctc tccagnnggt gttaagttct 120
gaaggactgg ggactgtag acataattga aagtaaggta acaggctaag gagaagctca 180
gtttgaacat tgcaatgtaa agtctcctc gctgtgact ttcaagtatt tctgttgcat 240
taattgtatt ttctgctta gctgtgttca gacatagtat ttgcatttct tggagctttc 300
attccaacag tctaacattt t 321

```

<210> 89
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

<400> 89
agggcgaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttgttcgt cggcccgttt nan 333

<210> 90
<211> 473
<212> DNA
<213> Homo sapiens

<400> 90
cagggttttac ccactggctc taggtttttgc ttacgttgca tgaagggtga ggggagggtt 60
tcactctgcg aacttgaaat tgggtgtgat cccatattct ttgattagaa cgtgaaaagt 120
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360
catgggcata cgcttatgag cggggcgcagg gaagataggc tttcgctcta agattaaaca 420
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473

<210> 91
<211> 515
<212> DNA
<213> Homo sapiens

<400> 91
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatatcctaa tgagatcatt acataacagt 240
atataaagaa tctcttcac tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactgggtaca gatagtaaaa tgtccagaag acatttcatc cacatggcag 360
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480
ctggcagtgat atgaatacta ggttctccat accta 515

<210> 92
<211> 225
<212> DNA
<213> Homo sapiens

<400> 92
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ccttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagccgg agggcagctt cacacagggt cttcttggtc tcagggttgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225

<210> 93

<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 93
ccgcggnggc ggccnaggta caccaaatgg attacaagca gcatccagca gaagacagac 60
cccccaaccc tgcccaccag ggctcacact ctacaaaacc ctgagggcct agaaatctgt 120
aaatgcatcg ncaagcactg gggctgattt gcagtaattc tctaagcaag gcaaacaatga 180
tctagctttg aaggcagcat gaaggcagcg gggtggngag aacaatctnt ccttaagaga 240
agaagaaacc tggggcggan ggagttttcc ccgg 274

<210> 94
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 94
tagtttttcc ttaaggaagg ccgcggcccc ngaagngggt accccgtcta tnggggggga 60
aaaaaggaat agnacanaaa natttcatta aaaccccaaa agcccattan aattatttnt 120
ggcnanaggg agggaaacctt antnccccac ttttttttaa ntctnctnnt nctctttatc 180
nnttngnggg ntttnttana cntaaagca aaaaattaaa accttttttn gccaaaaggg 240
ggaggggaagg ccccaaaaaa gnccttaaan ntanccccc cccgggaaaa aanccccaag 300
ggaacccgna aggncccttat ccccttaana gggaaaaccn agggccttta tanantaggn 360
aagggccaac ccaacccccc ccggttcctt taattgggtt aaggnccaaa anaaaaattt 420
aangcttttg ggggggaaaa agngaattnt ttttaattta aggggggttt anagnnaagg 480
gggcccgga acccaanaaa aaccnccntt aaccccccg naaaggggcc cnttgggggg 540
gttgggaaat ttnaagggcc cttgggggtt tnttggttcc ncccaaanng gnaattnang 600
ggaaaaattc cttttaaaag tttttnccaa aaaccctntt ttnaaaaaaa tttttt 656

<210> 95
<211> 438
<212> DNA
<213> Homo sapiens

<400> 95
cgaccacgc gtccggaaaa gaaaagaaag aaaaattctc acagtgcagt agccccctga 60
ggtgggtagt agtatctctt gggcataagt aagtaacatg aatatgcctg agagatgggtg 120
actttcccaa ggcctcacag tgaataagcc gtgaagcagg tttggctccc aaacctctgg 180
tttttctctc tctactctgc tgaattcctt tgagcaacag atagtaaatt agagaatgaa 240
gagttggctg taaagtttcg tcctttgcag ctcacctcaa atgctctccc cagtgttctt 300
tcagtgtagt cttaatcaga ctattcaact cctcatcacc ccagacactg gtagtatctg 360
gcaccaggta ggtactcagt aactcttttt attttttatt tattttttta aattttatttt 420
attttgggac ggagtctt 438

<210> 96
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 96

gctggngcgg	agctcagcgc	tgaccctggg	tctggaagcg	acaggccttg	aaactccaca	60
gcagcacagg	ccccgtctcc	tggctcggac	agaaccctgc	taccttccct	cttcaatctt	120
caggccccctt	tttgtccgtg	tttccagggc	tcacctgggtg	gggaaagtgt	gtttctccct	180
ggttccctgc	cactcattca	cctcagacac	aggggtgggt	ctgggttctt	cctcatgttg	240
aaagtcgggg	cttcagacca	tgtctgtcgg	cattcanaag	ggatggaagt	caaaagtgag	300
gctggaagtt	tgcaggatct	tcagacttcc	ctgaggccac	tgagctgggc	tgtgcctgng	360
tggacctcag	ggtggtcgct	gagctgggct	gtccctccct	ggaccttgan	gtggtccttg	420
agctggctct	gcctctatgg	accttgcggt	ggtg			454

<210> 97

<211> 487

<212> DNA

<213> Homo sapiens

<400> 97

gtggcggccg	aggtacatgg	taaatcagtc	tttaciaaagg	cttatttttc	caggcaggag	60
gagaggctgg	tggctcttgag	cttttggcct	ggaattccag	tctgaatttt	caaataattcc	120
ctgcctccaa	cccctttggg	tcctagtctt	caagccaata	acagagcagg	agtctgacct	180
tgttctgttg	cctggcacgg	ctgaatcaaa	gccattcttg	aagcagatgt	taagggtgaac	240
ttgtcacttg	gtatgtaggt	ccgactccca	tcccagaggt	ggcagtgggc	cttgggtcaa	300
gatcaagttt	gaactaaaat	attacttggg	tttttcacaa	agagtgtccg	ttgaaagcaa	360
taaggaattc	cagaacagaa	ctgcacttct	tgtccctctc	tcacacttac	aaagcttcag	420
aaaacattaa	aaatgcatta	cctcctagga	attacaaaag	atcacccaac	tgtacctgcc	480
cgggcgg						487

<210> 98

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(895)

<223> n = A,T,C or G

<400> 98

tgcgtagggg	ttccgtaccg	gggtgattcc	gaatnaanga	cctctggaat	aatnccgnag	60
ggtgtcctng	cgaggncc	ggggggggag	nattcgcgac	gtgagntttt	ctcagnaagn	120
cnggtcaccg	aaggnggtgc	tcagaaatgt	ttacacntag	atctcacgnt	tctccaaata	180
aggaagtgna	gaccacggcn	tacctttttg	cggacgacct	naagcggaga	ganaaaaacnc	240
nttttgggta	tgnangnagg	ggangntcat	atananaaag	ttnttanacc	accnccaat	300
naaggtnagg	ggccccctta	aaataagtct	atgncccccna	acccacact	ntttaaangg	360
gaaanaagnc	cgtttttcca	aangccnctt	caaaaaccaa	ctcccnacct	ttanccctt	420
aaaananaaa	aaaaatttcn	tcnccaaaaa	taaccaatt	taattnaaan	cgttgggaaa	480
aaccttncct	cctttccaaa	ccaaaccncc	ncaaaaaatt	tttgggggga	acccccaaca	540
atttccttta	attcccaacc	ccngccttta	atttaaggga	aaaagggtta	aaacccttta	600
aaaaatttgg	gntnttnaag	gnttnanttt	taaaaagggg	ttnaaaaccc	aaatttgggg	660
aaaaaaaaana	acccaatttt	tttccctttn	ncntttttct	ccggggccna	atttaaaaaa	720
gggccccccc	tttggggccc	nggtttccta	aaggnnaaat	ttttnaaaaa	anaaaaaancc	780
aacccttttg	naaaaaaccc	tttggggaac	ccanaaantt	ttttaaaaaa	ccaaagggcc	840
ccccccaan	aanttaattt	ncctttaacc	caaaaaattt	ccaaaaaacc	cccna	895

<210> 99

<211> 348

<212> DNA

<213> Homo sapiens

<400> 99

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acgcgggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aatactaatt tgttattatt tttaataata atttttgttt 120
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccaaatt cctaaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348
```

<210> 100

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 100

```
ggagctcncc gcggtggcgg ccgaggtact tttttttttt ttttttttcg tcactacctc 60
cccgggtcgg gagtgggtaa tttgcgcgcc tgctgccttc cttggatgtg gtagccgttt 120
ctcaggctcc ctctccggaa tcgaaccctg atttccccgt caccctgtgt caccatggta 180
ggcacggcga ctaccatcga aagttgatag ggcagacgtt cgaatgggtc gtcgccgcca 240
cggggggcgt gcgatcggcc cgaggttatc tagagtcacc aaagcccccg cgtacctgcc 300
cgggcggccg ctctagaact aga 323
```

<210> 101

<211> 392

<212> DNA

<213> Homo sapiens

<400> 101

```
cgcggtggcg gccggagtga tgccatctgc agttttgtga tctgcaatga ttcttcctt 60
cgaggtcagc ccattatctt taatcctgac ttttttgtgg agaaactccg acatgagaaa 120
cctgagattt tcaactgagt ggtggtcagc aatatcacia ggctcatcga ttacctgga 180
actgagttgg ctcaactgat gggggaagtg gaccttaagt tgctggcg ggctggcca 240
gcatcaggat tcttcgggtc tctcatgtct ctcaagcgaa aggaaaaagg agtgatactt 300
gggtccccac tgacggagga aggcattgcc cagatatacc aactgattga gtatctacac 360
aaaaacttgc gagtagaggg tttgtttaga gt 392
```

<210> 102

<211> 525

<212> DNA

<213> Homo sapiens

<400> 102

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ccgcggtggc ggccgcccgg gcaggtacca tttaaagcctc atgtttttata ctactaggtc 60
aaattatttt ttctcctttt taaaatttat cggttccgac ttaaaaccat caagtctgg 120
cagaatcaac tcagtctagc tgatgcaaaa tcatatgcat tcaaaaagca gtctttaccg 180
agatgccttt acaaaccctg gaatccagca cttctttaag gcaaagtttc atggcagcag 240
ggaagtgaac taataatttt catttaccac atcttggtgt ctttgaaaaa atactttatg 300
gcacaaacct gtttttgtct ctcttatgt ctccacttcc ttcaagtaga ctagatgcta 360
caggcaattt ctcatttatg ccaccatgca gtctcaatcc attttcaact tgctctacat 420
acctaaaatc ttccactact acacaaacct cagacacact gcaatctcca cagcatgtgt 480
gctccacagc atgtgtgctc cacactttca gctggccctg ggttc 525
```

<210> 103

<211> 338

<212> DNA

<213> Homo sapiens

<400> 103

```
gtggcgccg aggtacgata attcatgcc atttctttgg gaatacttgt ttctgatata 60
ataggttaca aagcaaaatt gagatgattt ttaaaatgcc atgcagttat tttttctgaa 120
taacataaat tttaaacaga gacctgaaaa aaaccccaaa agtattaacc tttaaataca 180
taaaactcaat agaaataatt taactgcctt ctcttcacaa gaggcaatca gaaggcagga 240
ctatagtttt ctgtgtttct tttccacagg agagataatt acatttctag agaccatag 300
aaacaattcc atagttttta tttcatctct ctatctct 338
```

<210> 104

<211> 432

<212> DNA

<213> Homo sapiens

<400> 104

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ggcccatcct gctaaaagct cagcacactc tcttcaggtc tctgctgagc ccccagcaga 60
gcttgatgct cttaaaactgt gctcgcctaa gagatctacc cttgctaatt cttaccctgt 120
ccatgtggcc ctccaggttcc tcatgtcaca gggaggccct ggtgtgatga gagagtgtgtg 180
ctctctgtga cagtcagata gaaaattgtt gccttgtcat caaggtaatg ggggtggtggg 240
tgagaagtgg acccttcacc agagagatct gggtcagaga gagatttgat ccctctggag 300
agatccctca ggagagattg cccctgattc cagttgatta caaggctgca actgggtctg 360
gagacttcac tccaaaaggt gggagttccc cttggggatg ggaccaaaga ggtacatggg 420
gttgtggggc tg 432
```

<210> 105

<211> 305

<212> DNA

<213> Homo sapiens

<400> 105

```
acgcggggat gtctcttgtc agctgtcttt cagaagacct ggtggggcaa gtccgtgggc 60
atcatgttga ccgagctgga gaaagccttg aactctatca tcgacgtcta ccacaagtac 120
aagagataga aagaccagtc cttgctgaaa gacaagtctg aatgctccac tttttcaatt 180
ctctctccat tcttcagtaa gtcaacttca atgtcggatg gatgaaacct agacacatag 240
caattcagga aatttgactt tccattctct gctggatgac gtgagtaaac ctgaatcttt 300
ggagt 305
```

<210> 106

<211> 271

<212> DNA

<213> Homo sapiens

<400> 106

```
actgcaagca acagttactg cgacgtgaga tcatcaagaa cacgtagaga aaccagctg 60
taatcatgca tggagataca cctacattgc atgaatatat gttagatttg caaccagaga 120
caactgatct ctactgttat gagcaattaa atgacagctc agaggaggag gatgaaatag 180
atggtccagc tggacaagca gaaccggaca gagccatta caatattgta accttttgtt 240
gcaagtgtga ctctacgctt cggttgtgcg t 271
```

<210> 107

<211> 218

<212> DNA

<213> Homo sapiens

<400> 107

```
ttggagctcc acgcggtggc ggccgtcgcc cgagctttct cttgtccatc ttctcccgt 60
gctgaaattt cagttgcggg cgctgtcacc tcaggacccc tccccccgcg tacgtggat 120
agcctccagg ccagaaagag agagtagcgc gagcacagct aaggccacgg agcgagacat 180
ctcggcccga atgctgtcag cttcaggaat ccccgct 218
```

<210> 108

<211> 49

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(49)
<223> n = A,T,C or G

<400> 108
caccagggga ccnnggacc cgggcgacgg cnganccaac ncngaagga 49

<210> 109
<211> 376
<212> DNA
<213> Homo sapiens

<400> 109
ttggagctcc acgcggtggc ggccggggta caagagatag aaagaccagt ccttgctgaa 60
agacaagtct gaatgctcca ctttttcaat tctctctcca ttcttcagta agtcaacttc 120
aatgtcggat ggatgaaacc cagacacata gcaattcagg aaatttgact ttccattctc 180
tgctggatga cgtgagtaaa cctgaatctt tggagtaccc attcccttga tgtctacaat 240
atcacctttc ttatagattc gcatatatgt ggccaaagga acaactccat gttttctaaa 300
aggcctagag aacatatatc ggggtgcctct cctctttccc tttgtgttcg tcattttggc 360
gaattactgg aagatg 376

<210> 110
<211> 163
<212> DNA
<213> Homo sapiens

<400> 110
gtggcgggccg aggtacttaa aaccaaataa aaagtgacat ttgaatttct tttaaaagga 60
tttccgagct cacagtcagc ttgcgagcca ttctccgcg taccagcaca aaccgggcca 120
gcctcctaaa ctgctcattt actgggcgtc taccgggaa tcc 163

<210> 111
<211> 37
<212> DNA
<213> Homo sapiens

<400> 111
ccatgctgtg tcctgactga gactgactcc cccgcgt 37

<210> 112
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 112
ccgcggtggc ggccgaggta ctaaggctgt ggggaaagag aagagcagtc atggccctga 60
ggtgggtcag ctactctcct gaagaaatag gtntctttta tgctttacca tatatcagga 120
attatatcca ggatgcaata ctcanacact ancttttttc tcaacttttgt attataacca 180
cctatgtaat ctcatgttgt tgtttttttt tatttactta tatgatttct atgcacacaa 240
aaacagttat attaaagata ttattgttca catcaaaaaa aaaaaaana naaaangacc 300
tgcccggn 308

<210> 113
<211> 143
<212> DNA
<213> Homo sapiens

<400> 113
tccccgcggt ggccggccgag gtactttttt tttttttttt ttatgaatta tttattttct 60
ttctcagaaa aggatgcgcc tccacttagc aaggctgggc aggatgtggg tctgcatctc 120
cccacagacg ggggtggttct aga 143

<210> 114
<211> 163
<212> DNA
<213> Homo sapiens

<400> 114
gtggcggccg aggtacttaa aaccaaataa aaagtgcacat ttgaatttct tttaaaagga 60
tttccgagct cacagtcagc ttgcgagcca ttctcccgcg taccagcaga aaccaggaca 120
gcctcctaag ctgctcattt actgggcatc taccgggaa tcc 163

<210> 115
<211> 310
<212> DNA
<213> Homo sapiens

<400> 115
taatattcta tttggtatta tattatttga tgtttgctgt tcttcaaaca tttaaatcaa 60
gctttggact aattatgcta atttgtgagt tctgatcact tttgagctct gaagctttga 120
atcattcagt ggtggagatg gccttctggt aactgaatat taccttctgt aggaaaaggt 180
ggaaaataag catctagaag gttgttgtga atgactctgt gctggcaaaa atgcttgaaa 240
cctctatatt tctttcgttc ataagaggta aagggtcaa ttttcaacaa aagtctttta 300
ataacaaaag 310

<210> 116
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 116
gaggagctta ctgtgtcgtg gatattcttt gaaacgggtt atttcactgg ctcttacttt 60
tgttcttact aagaatgctg tgtttaggaa aacatantga gaaaattctc tttggattaa 120
ttactgagaa actgcatgta tcaaaacatg cactctttgc atanataaca nagaaagntg 180
ctatttttagc aaaaataatc aatttaatga acacataagc aagagacttt gttttgacta 240
gcgtttgttg ttaccttctc tgaagattac agtgtttgaa tttgatctaa gaagtgttaa 300
aacaaaacgt gtctaaacaa tgaagcttga taatttaacg ttttttaaaa tggtgaaata 360
taaagatgca gtgaaagagt tggagatggg tatgggtntc tcatctgtag gggatttcag 420
gagccanatt gcttaattcc aactctctat caagggaaca ttaatatggg ttgtgtcaca 480
gtgtttccct ttgncacttc atttatttgg cctaccgaga gaaggtaang aatgggaaag 540
agatta 546

<210> 117
<211> 580
<212> DNA
<213> Homo sapiens

<400> 117

```

tgaatgagag cactagttct ataagaactt ataaattctg tggctaattct gatggatcag 60
gggagacttt cccggtgtaa gtgataattg atcagttgta ccagttgagc taatatagaa 120
aagatacata taacctaat attctaagt gtggctaact aacagtacag gcagaaagaa 180
gaacatgtga aaaccacat tgcaggagg aacatggaca gatcaaggaa ccaaataaaa 240
gacagtgtga caggaatgca aagaggaaca ggagcaagat atgggatggg gccaaagaga 300
ccgatggaag ccactctatg aagagcactc tagactttgc tgaaactttg ggtctctaac 360
aaaaaatcag tgggaggcct ttgacatgtt gaaagcaggg atatggtgtg ttcatacttc 420
tggttttgaa agatcactct ggcagcagtg aggatgacat ggaacgagga aaaaatagat 480
gtagagacaa attagaaact atcacagtcc tctagacaga aatgctttta acacgaatta 540
agatggctgg tgatgcacat gggaaaaata gcatattaga 580

```

<210> 118
 <211> 427
 <212> DNA
 <213> Homo sapiens

```

<400> 118
ggtggcggcc gaggtacgcg ggataatcaa ggtgtcacat cccggtggct ggacatgccc 60
tcttgggctt ggcagatgcc agtggatcca tacaactact ccgcctggtg gaatctgaga 120
agagccacgt gctggagcca ttgtccagcc ttgccctgga ggagcagtgt ctggccttct 180
ccctagattg gtccactggg aaaactggaa gggccgggga ccagcccttg aagatcatta 240
gcagtgactc cacagggcag ctccacctcc tgatggtgaa tgagacgagg ccaggctgc 300
agaaagtggc ctcatggcag gcacatcaat tcgaggcctg gattgccgct ttcaattact 360
ggcatccaga aattgtgtat tcagggggcg acgatggcct tctgaggggc tgggacacca 420
gggtacc 427

```

<210> 119
 <211> 172
 <212> DNA
 <213> Homo sapiens

```

<400> 119
ctccccgcgg tggcgggcga ggtacttaaa accaaataaa aagtgcatt tgaatttctt 60
ttaaaaggat ttccgagctc acagtcagct tgcgagccat tctccgcgt accagcaca 120
accggggcag cctcctaaac tgctcattta ctgggcgtct acccggaat cc 172

```

<210> 120
 <211> 280
 <212> DNA
 <213> Homo sapiens

```

<400> 120
gcggcgggctc cacctaaaaa gtcactgcag cagagaagaa aacattggac aaagaagaaa 60
ggcgacagaa ggctagagag aggcagcaga aattgcttgc ggagtttgct tcacgacaga 120
aaggctttat ggaaactgca atggatgttg attctcctga gaatgatatt cctatggaga 180
tcaccacggc agaaccacag gtttccgagg cagtatatga ctgtgttatt tgtggacaga 240
gtggccctc ctctgaagat cgacctactg gattagttgt 280

```

<210> 121
 <211> 149
 <212> DNA
 <213> Homo sapiens

```

<400> 121
ggattcccgg gtagacgccc agtaaagag cagtttagga ggctggcccg gtttgtgctg 60
gtacgcggga gaatggctcg caagctgact gtgagctcgg aaatcctttt aaaagaaatt 120
caaatgtcac tttttatttg gttttaagt 149

```

<210> 122
 <211> 373
 <212> DNA

<213> Homo sapiens

<400> 122

```
tgagctcacc gggggcgggc gaaccgccat cttccagaat tcgccaaaat gacgaacaca 60
aagggaagga ggagaggcac ccgatatatg ttctctaggc cttttagaaa acatggagtt 120
ggtccttttg ccacatatat gcgaatctat aagaaagggtg ataatgtaga catcaaggga 180
atgggtactc caaagattca ggtttactca cgccatccag cagagaatgg aaagtcaa 240
ttcctgaatt gctatgtgtc tgggtttcat ccatccgaca ttgaagttga cttactgaag 300
aatggagaga gaattgaaaa agtggagcat tcagacttgt ctttcagcaa ggactgggtc 360
ttctatctct tgt 373
```

<210> 123

<211> 150

<212> DNA

<213> Homo sapiens

<400> 123

```
aggtacctgc aggcctccta cacctacctc tctctgggct tctatttcga ccgcgatgat 60
gtggctctgg aaggcgtgag ccacttcttc cgcgaaactgg ccgaggagaa gcgcgagggc 120
tacgagcgtc tcctgaagat gcaaaaccag 150
```

<210> 124

<211> 335

<212> DNA

<213> Homo sapiens

<400> 124

```
tagtaatcaa cctgttaatc caaggctctt agaaaaactt gaaattattc ctgcaagcca 60
atthttgtcca cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct 120
gaatccagaa tcgaaggccg tcaagaattt actgaaagca gttagcaagg aaaggctctaa 180
aagatctcct taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac 240
acagaggctg cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc 300
ttagtttgca gttacccta aaggtagcca atgat 335
```

<210> 125

<211> 191

<212> DNA

<213> Homo sapiens

<400> 125

```
acctaacctc cctttaagac tgggataact attggaaaca atagctaata ccggatatag 60
ttatttatcg catgatgagt aatagaaagg agcttcacag cttcacttaa aaatgggggt 120
gcggaacatt agttagttgg tagggtaatg gcctaccaag acgatgatgt ttagccgggc 180
cgagaggctg t 191
```

<210> 126

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(856)

<223> n = A,T,C or G

<400> 126

```
ctctcttttc ctcttctact agtacatcat actagagtat cntgtatatt tcacactgat 60
anggtaaatc tgtaataaca ttattcttta taatgataat aatctaattc atgatcaatt 120
atctatagat cgaatctata ctcttacatc tcgactctac gatactttaa tatagagatg 180
actcccgcgg tggcgccgga tgtactatgg cctatatggg atagaaggta tttaccacgc 240
acacaacaaa cgaggttcca tatttttaact gctcatcata tggcggtaac atgggggacat 300
```

```
atggtgcaac cacactttca ttgatttaa caccttggtg acccccgcc gctcctagaa 360
acctaattgg atcccccccg gggctggcag gaaattcgaa tattcaaagc ttattttcga 420
ttaccgtcc gaccctttgt aggggggtggg gctcccgggt aaccccaaac tttttatggt 480
ttcccctttt taagtggag ggggttaaaa ttgcccgcg gctttggggc tgttaaattc 540
aatgggctac aattagacct tgtttttccc ctggtgttg gaaaaaatta ggtttaattt 600
ccggcttcca acaaaatttc tccaccacca aaccaattaa acgtaagccc cctgcgggag 660
gccaattaaa aatgttggtt aaaagacact tgggtgggtt gccctaaaa ttggagggtt 720
aaagccttaa accttcaaca atttaaattt ggcggttttt gcggcctcca acttggcccc 780
cgcctttttt ccacagttcc gggaaaaacc ttggttcgtg gccccagcct gccatttaa 840
attgaaatac ccggt 856
```

<210> 127
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

```
<400> 127
nccggccagg ncttatttnt ttttntttt ttctgatgtg aacaataata tctttaatat 60
aactgttttt gtgtgcatag aaatcatata agtaaataaa aaaaaacaac aacatgagat 120
tacataggtg gttntaatac aaaagtngaa aa 152
```

<210> 128
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

```
<400> 128
gnggtggcgg ccgggtactn nntttttttt tttttttttt tttagacagg gtctcactct 60
gtcaccacag ctggagtgcg gtgggtgtgat ctcggtcac tgcggcctgg acctccccgg 120
gctcaagtga tcctctcatt tcagcctccc gagtagctga gactatnggc aagccaccat 180
gccgggctaa tttttttgta tttttagtag agatgacatc tcaccatgtt tcccagactg 240
gtctccaact cctgggctca agcaatccac ccacctcagc ctctgaagt gctgggacta 300
caggaacaag ccactgcgcc cagcttagat gaaatttttg aatgtgacac aggtttttta 360
aatacagnat attcctncaa caacttcaat gtcattgnag attcttgga taaattcact 420
cccata 426
```

<210> 129
<211> 176
<212> DNA
<213> Homo sapiens

```
<400> 129
tgagctcacc gcggtggcgg ccgaggtact taaaacaaaa taaaagtga catttgaatt 60
tcttttaaaa ggatttccga gctcacagtc agcttgcgag ccattctccc gcgtaccagc 120
acaaaccggg ccagcctcct aaactgctca tttactgggc gtctaccggg gaatcc 176
```

<210> 130
<211> 360
<212> DNA
<213> Homo sapiens

<400> 130
acttgactgc taacaacttt caaattcttc tacttactcc ctcttcttca gcttcacatc 60
tgggaaaact gataggggaag cctaggtagg cctacctttg gtgccagagg gaagctcaat 120
ccatgcaagc cccagataat atatgagaac ctccccaacc ttacctaca cccctcacct 180
cccaatccaa gccagtctcc tttccctgct ttctcaaacc atgtttggac ctgcttggaa 240
gctccctctg ctctccctag aaagcttcat tatgtgagtg atacatcttt tcatatcttc 300
ttggtggtgt gtgtgtggta tcatcagcct caacatctga agcaaagtgt ggggggggggt 360

<210> 131
<211> 490
<212> DNA
<213> Homo sapiens

<400> 131
gtactccctg gaaagtccag ctgagaaagc gatcctgccc tctgctcctc ccagggttac 60
cctcctgtaa gtcttctgct tagtgttcag aattggggga tgctgggact gggcaaggac 120
ttgtaggcaa caccocatag cctgctcatg cctgttgggt tgcctatgga tcattccctg 180
ctgggctcac tcaccggctt cgtataaggt cttttttgag gtttattatt tccttgtcca 240
tatacttgat gctcttcatt ggcttgtctg ggacctgcct taggttctcc gaggcataaa 300
agggccggac agcccccgag ttgggggaac tctgaagctt cttggtggct ggaaccttgg 360
tcactctaaa aatccttcag gtttttagcct gtgcccccaa gacaaggatt tttccagaat 420
cttctacttc agtagttact ggtatgagaa gtttcggcaa cttctccctg atccccaagt 480
cccaattaca 490

<210> 132
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 132
accccgcgctc cggacatttt attatttttna gnnnaaanaa ataattattat agatgtaaac 60
tttgcacctt tctaattatt atcatgagtt aagctaattg gggngnnttc nggtccctag 120
atgatgattc ttttttgcct tactggagga gcccttgtct tgaagtgagt tgcttcaaca 180
gcagaggact tctagttttc tcccagttga gcctaaagtg aacttttcat nttcttcaga 240
gggaaggggc tttccttgat ttgtactttt ntgtggctct ctcagataac acaaganna 300
atatttaatt ctttgggatc ccagagttct tctttcacca atttaaggaa attaagga 358

<210> 133
<211> 401
<212> DNA
<213> Homo sapiens

<400> 133
gcggtggcgg ctgcccgggc aggaccgcgg aaatccccta acttccttgc tatcttccca 60
tcccatattt aggttagata gagaagtgtg tatgtgtgtg tgtgtgtgtg ttgctcgcac 120
agtgatgaac tgtaaacata aatgaagata tggaaaaata catcaattag gacaacatga 180
caatttcatt agactcctat caaagagtat cagttcacag tttttataga tactagtata 240
aaattcagat cttgactgtt ttctggggat aaagcaaggc tttacaattt agcagtctgt 300
agctagcttg aaacagtaaa acaacaacag cagagcctta agtgtatttt tgtgacctaa 360
aacatgaact cagggtttcc aaattcctaa caatgaatag t 401

<210> 134
<211> 55
<212> DNA
<213> Homo sapiens

<400> 134
gcggccgccc gggcaggtag gcgggggagt cagacccagt caggacacag catgg 55

<210> 135
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 135
tttttttttt ttttttttgg aggagatgga cagtgtcagt ctcttgataa ggggggtgatg 60
ggtaggtaat ttaaaagctt ctattataaa atctagtctc tctgacactg ccctgtccac 120
tgcagtcaca tctcccaata ctgaaggatc ctgagaatac gagcgggcat gacacttact 180
cacgtcattc accatnctcg ttgtg 205

<210> 136
<211> 588
<212> DNA
<213> Homo sapiens

<400> 136
ccgaaaaaat atgccagatg gtccttttct agaagattat ctttttagttt gggaacaaga 60
taattatata ggaaacaaat agaggacaac ataaaagcac catataataa gatgttaatt 120
tgtctgatac agactgtaga agtttttcat ttcagagaag ggcaaagtta gtaagactga 180
ggctgtcaga gaggaccatg ttgggtgaaat gggacttgag ctagtattta aagaataaga 240
catgatatgg cagaggagga gagggagctg ttttcattgt gactgtctcc acttgagctt 300
ttctaagcct cactaatttt gtgtcctggt tagaccagaa acagacttaa ctctcagtc 360
attcatgtga tttataaggc cttttaagta tctctcttcc tttacttcc attactccca 420
gtgtaatctc gtagctctag aaattctttc ttaatagccc atgactacac taagcttatt 480
ctcacttcca taccttttaga gagggaagca accttgagga tcatggacta tctctcctca 540
taacagaaga catttaagtc tctctctaga tgagagaatg gttaataa 588

<210> 137
<211> 584
<212> DNA
<213> Homo sapiens

<400> 137
ttccctactg gcctaaagca ctctagtttt caggaagatt acaaagtttt tccagatata 60
gccatttttg aaagagtga ataaagaaga attaatataaa gcatattctc taaatcccag 120
tccaagatgt tgaggttaat ggaaaccaca aaatccttct tctgtgagctg agacgaataa 180
aatcatttat gaacagggca caatttttgg gcggtgaagt tgattgagct tgatgaagtt 240
aaattaaaga gaaagtatat tcaacattct gggatcccca cagtgttgag attcgtgaaa 300
tcagccacat ttgaggagtt ttaacttgcc tttttatggg agactcttct atatacatgc 360
aggatgcaga gcgtccttag cacaaggac tctactaat ataactttca caacagcctc 420
taaagccagt tggttacctc tcacctcatt agcaagcagg ctttgaattc caagtgcctc 480
gcatgataaa taagccttga gagctacttt cacattttgt gtaacaattt cctgcagtga 540
cttcaagtag gaaaaaacca ggtaatgttt gaaagacatc atga 584

<210> 138
<211> 567
<212> DNA
<213> Homo sapiens

<400> 138
cgggcaggtc caaatcgac tggtcctgg actcttttcc tatcttcacc acgaactgct 60

```
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt cagctgtcaa 180
ttaatgctag tcctcaggat ttaaaaaata atcttaactc aaagtccaat gcaaaaacat 240
taagttggta attactcttg atcttgaatt acttccgtta cgaaagtcct tcacattttt 300
caaactaagc tactatatatt aaggccttcc aaattcttct aactcttcca aaagccttct 360
gccttagttt tttttaaaatt acaccagtcc ttttagtagc tttttgatgt gatttttaac 420
caacttcccc ttctagcttc aagtattctt ctaaattggg tctgggtctac gtaaacaccc 480
tcattcttctc aagctttacc ttctaacttc tgcaccacca gaaattaaat tgatgggctt 540
ttaaaataaaa ttggttacca aaaattt 567
```

<210> 139
<211> 536
<212> DNA
<213> Homo sapiens

```
<400> 139
ccacgcgtcc gccacgcgt cgggtcccag acgggctttt cccagaagct aaaagagaag 60
ggccagagaa tgtcgtccca gccagcaggg aaccagacct ccccgggggc cacagaggac 120
tactcctatg gcagcgtggg aactcgtatg tagccccagg ggtggcgagg agctccagcc 180
agagggggaa gtcctcctgc cacaccagca taccacccgg cctgtaccac gcctgcctgg 240
cctcgtctgc aatccttgtg ctgctgctcc tggccatgct ggtgaggcgc cgccagctct 300
ggcctgactg tgtgcgtggc agggccggcc tgcccagccc tgtggatttc ttggctgggg 360
acaggccccg ggcagtgcct gctgctgttt tcatggctct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcaccg agccaagatg 480
ggaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536
```

<210> 140
<211> 429
<212> DNA
<213> Homo sapiens

```
<400> 140
acgcgggggt tgcattctctg gggccaagga gtggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggt gtggagctct taccagaccc tgcagaaccc 120
tctccgtggg gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcagg 180
tggtgatggg gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggaggggagg tggagtccct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtc ttggagctgg ggcagagggg 420
agcttgagt 429
```

<210> 141
<211> 509
<212> DNA
<213> Homo sapiens

```
<400> 141
cccgcccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatggt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaacaag agaggtgact aggggaatatt 240
gaagaaatgc cagggctcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagttgtg gatgtttgtc cagcagcatt gagcagactg aataaattta aattaatgta 360
ggcttgaagc ttcacggggt tattttttgt ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggg taagaacatt ggcaaggcaa tggttgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

<210> 142
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 142
acgactcact attntnngggn naattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcactgggca ggcgggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcggggtaa gatttgccga gttcctttta ctttttttaa cctttcctta tgagcatgcc 180
tgtgttgggt tgacagtggg ggtaataatg acttggttgg tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgtaga ttggtccaat tgggtgtgag 360
gagttcagtt atatgtttg 379

<210> 143
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 143
nggcgaattg gagctccccg cgggtggcggc cggggggccat tgagactgcc atggaagact 60
tgaaagggtca cgtagctgan acttctggag agaccattca aggcttctgg ctcttgacaa 120
agatagacca ctggaacaat gagaaggaga gaattctact ggtcacagac aagactctct 180
tgatctgcaa atacgacttc atcatgctga gttgtgtgca gctgcagcgg attcctctga 240
gcgctgtcta tcgcatctgc ctgggcaagt tcaccttccc tgg 283

<210> 144
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 144
acatgcatgt gactgtacgt ctttgaaaag gcgacccccc tttggtatcc aggatgaggg 60
gaaggggaag aaacctgtta attatgcagt actttttctg taatttcaag aaggctcagc 120
ctacaccgtg tgcaccttaa gcaaattcat ctacacccac tcagacaagg aggaaggagg 180
gaggcagagg aggagagtgc tccaagctca ttacctgtcc tttcccatth ccatgtttca 240
cctgacctag gagcttcccc tgccccccaga gaaaggtagg ccccaggtna caaacaatc 300
aagaaaaatt aataaaatgg acttttggct ttgagcagtc caagggccaa agttcttgag 360
atttagtggt ggcatgagat attttangcc atctgcacta acttggcaac cagccccctnc 420
cctcccccaa gtcctgangc acanccccgc tgtggcccat ccctcagcta accggaattc 480
tctaccgaaa cgtctgctcc tctacatanc ccaagttcta gggactgc 528

<210> 145
<211> 498
<212> DNA
<213> Homo sapiens

<400> 145
ccttattttt tgatgagaga gagcacggtt aacgccctta ggaagcataa ggcctctctc 60
atgccagagc ctgacatcag aatgagtggt tttccacatc aacttccgct cccaccgggc 120

```
tgctcagtgg ccagggaggt tgccgaagag tggacagtca gcatcctcgg catcagtgtc 180
ctggggccac tttccatttg gtgcagaaat agctcttgca tttctccacc tggcttctgt 240
ggaccagggc tgggccagct accggcaagt taagatggag aatcatgttg atttgggagt 300
ggaggagaaa gggcattcac aggccaggcc ctggggcata ggtgctgttg cccataaaat 360
tatttatggg ggtcctaagg actgtagtca atatttgcat tgtaaagcag caaccagga 420
agggtttcat ctaccacttt gttatttgtg tttgtttgta tgttatttgg tatttattta 480
tgtatttaat tttgagac 498
```

<210> 146

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 146

```
cgctacttag ggcgaattgg agctccccgc ggtggcgggc gaggtacagc ctggaccacc 60
cctgggtgtg agctagtaag attaccctga gctgcagctg agcctgagcc aatgggacag 120
ttacacttga cagacaaaga tgggtggagat tggcatacca ttgaaactaa agagctcttn 180
aagtcaangg aagctgggct gggcagtatc cccggcttta gttcttcact ggggagggat 240
tcttgaccna gcacaaaaac ttaacaaaag tnntntaaaa atnnaaagnc naattaaaat 300
nttaaaaaaa aaaaaaaaaa 319
```

<210> 147

<211> 225

<212> DNA

<213> Homo sapiens

<400> 147

```
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ccttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagccgg agggcagctt cacacagggt cttcttggtc tcagggttgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225
```

<210> 148

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 148

```
cgccccgcgt ccgggagtggt gttgtcatag caacagactg atttgcaaaa tgtaagcagt 60
ctgcagcagt gcaaggagag ggaagagcat gtcccaaaag tgnnataaat ctgtctaacc 120
gcagttgatg catgagttac atttntacac taacctgcaa gacaccgaaa agctaaacag 180
agacttcttt taggtaaaat aaacacaagc tttacttagg gtaagtaaag gcatattttg 240
agctccagtc aactaaactt tgattttttt tcttagttta ttcctttgtc tgtccatcat 300
aatgggatta cgtgtggcaa tgggaaaagg gagaatacaa aatagaggtg tgcacagcag 360
gctgcggggc ttagcccagg ctaattgact atatccaaat taagtatg 408
```

<210> 149

<211> 419

<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 149
tcaggctcga ggacatacgc tcccacgtgc cctaacgcca tcgagngncc tancgctacc 60
tctagcgcag aatgatgccc acgcctcgta ctacccaccc tagagcccgg tccatcgtgg 120
gaacgtggat ttacatnggt aagggaattt ancaancgnc cggaannttt nggnccgacc 180
cttagttgcg tcggatgcgt tacntaanan canttngaac ccttttaanc anggtnccta 240
accaattggn ntngngggnc gccnantnng ntaancgcaa tttggaaaat gnaaccatag 300
nncaacgttn ggaaccacga nangggaanc accttgcggc cncctggngn aaatctccca 360
cgatngaaaa ccgcnttggc ntnggttcgc gctctaannn aaaggtagga cgcgcaactt 419

<210> 150
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 150
cgggcaggtc caaatcgcac tggctcctgg actcttttcc tatcttcacc acgaactgct 60
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt caagctgtca 180
attaatgcta gtcctcagga tttaaaaaat aatcttaact caaagtccaa tgcaaaaaca 240
ttaagttggg aattactctt ggatcttgaa ttacttcccg tacccaaagg cctntncatt 300
tttttcaaac taagcttcct attnttttaa agggctttcc aaaatttttt tntaaacttn 360
ttttccaaaa agcctttttg gctttaagtt 390

<210> 151
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 151
tactnaaggg gaacaaangc tgggnaccgg gccccccctc gnggtcgacg gtatcnataa 60
gcttgatata gaattcctgc anccnggggg anccactant tntagagggg ccgnggtacc 120
gnacgggaaa gatgaaaant tanatccaag cggtaatata gcanggacta acccctatac 180
cttntgcata nngaataaac tagaaataac tntgcangga gagccaaagc taagaccccc 240
gaaaccagac gagttaccta anaacagcna aaagagcaca cccgtntatg tagcaaaaana 300
ttgggannat ttataggttg aggggacaaa cntaccgagc ctggtgatag ctggttggtc 360
aaga 364

<210> 152
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G


```
agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc tatttcctga 180
gccgtctgag atgttttagta ttaagttagt ttttgttgtg agtgtttaga aaaagggcat 240
acagggacta nggaagcaga ataaggaaaa tgattatgag ggccgtgac atgaaaangg 300
tgataagctc ttctatgata ggggaagtac cgtcttgtag accctacttg cgctgcatgt 360
gccatcccgc gtcctgcccg                                     380
```

<210> 156
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

```
<400> 156
tccgancccc gcgtccgtgt ngttccacct gggacgcgag cctaggggag gctgaggctg 60
gaagggggcag gtggtcccca gccaggaac agaaccagc ggtcctaatt ccaagctcag 120
tatgccccct gcctgacatg gccacacgtg cttttcaggc gttgcctgag cctcacctag 180
cctggcacag gaagccttcc tcaggacctg ggcgggaggc tcccagaagg cagtgtccat 240
ctctaacgca gcttagagag gagcactcac aagatgaagt cctcagagct ctgagaggat 300
gatgatgaac cctctcccag cctcctnctg ncaagcttgg tcttctgtcc accctaccct 360
cacctcacca ccccccttcg cccaagcgt aagcagctgg cantggtgac aaaagccgtg 420
cccagctttg ggggcattta gaagccaaaa gttggcattt tacttgggcc ggctcttggc 480
ttaagaagna agtgcactta atcccttaag aggatgtgtn gcaaggaaga tgaagaagga 540
agggnaagct tagggaagga aaatcccncg ggggtt                                     576
```

<210> 157
<211> 515
<212> DNA
<213> Homo sapiens

```
<400> 157
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatataccta tgagatcatt acataacagt 240
atataaagaa tctcttcatc tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactggtaca gatagtaaaa tgtccagaag acatttcatc cacatggcag 360
atatattgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480
ctggcagtgt atgaatacta gggtctccat accta                                     515
```

<210> 158
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

```
<400> 158
aaagantttc tattatgcaa agtgtttttag nactgacctg ntatatatga aagnnagnnc 60
taaaacactn tgnataanta ttacccttaa cttacacaat aatctaataa ggcanagtata 120
ctatnatttt aagcccatct tacacatnca ggaacatagg aacgaagatt acatganctg 180
nactnaagn ggctac                                     197
```

<210> 159


```
gacaattcaa tgactncntt nntccctttt ctctattccc tcttaccacg gctgcgatac 120
tgtgtcttag acatctgctt tttggctgct tcattcccca ggaggctaca ttntgcattt 180
ttcanccctt ggaagcagtt ctgtnccttt gaagngntnc ttcattgttn cttangacct 240
agacaaaact aatacttccc attcactttg ctaattttcc atctttaatt tatatacttt 300
attaagtata ttttaaatag agacgagatt aaaaaatatt tacaactatt ct 352
```

<210> 166
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```
<400> 166
cgccnccgct ccgggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaattttta aagaccaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtcccnt ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ccttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416
```

<210> 167
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

```
<400> 167
cgggtggcggc cgttaaacad gtgtcactgg gcaggcggtg cctctaatac tggatgatgct 60
agaggtgatg tttttggtaa acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaattgttt catgttactt atactaacat tagttcttct ataggngat 300
agattggncc aattgggtga naggagtnca gttatatgtt tgggat 346
```

<210> 168
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

```
<400> 168
agggcgaatt ggagctcccc gcgggtggcg cccgagggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagent ccgtcctcgc cctcctcctc 300
cttgaactcc cnttggtcgt cggcccgttt nan 333
```


agggtctgct catgggaaga aataggaaag ag

212

<210> 173
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 173
aaacngttct aggggggttga actacatagt aaaaaaaata aaataaatag tacttagtgt 60
aaaataatTT tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120
atataaaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaat 180
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240
tgtctnaata aacaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300
tatccacagn acaaaaatgg tttgnttt 328

<210> 174
<211> 445
<212> DNA
<213> Homo sapiens

<400> 174
accaagcatt ggacacacaa aaatacaggc agcttcttcc ctcaaggagg tcacagggtgg 60
gtgtgtccat agcaaagctg ggaggaagtt gtatgaggag cctgaagaca atggggagct 120
aggggaaagt tctgagtaga aaggaacatg tggacaaagg tttgaaatga tgaagactga 180
ttaggaagtt catattatga agcataattc aagctttctc tacgatgttc aaatcccatc 240
tctcctactt actagatagg tgacattggg caagttactt atctcctctg ctctgttta 300
tttgtttcaa aaacagggac ctctctcaca gtgtgattat gaagactgga caagaaaatg 360
gagtttttgt tttgaatgcg ttaggggtct ttgccttagg cgtgtagtgg agacatggtt 420
tacacaatTT gctgcacctt ctgga 445

<210> 175
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 175
catggggaat caaataaggt acattttaatt ttcattctcag atgtgagaaa actggaactt 60
agaaaagcaa agtaaatgct catgggcaca ctactgttaa gataaatctg gnattnaaat 120
gtaggtctct ctgattataa aactcatgnt ctttctcttg caggatgctg ccagtgaccc 180
cagagccttt tgttttcttc caatattctc agtgcttttaa atattttaatg atccttcaac 240
gtntct 246

<210> 176
<211> 432
<212> DNA
<213> Homo sapiens

<400> 176
atgtgtggca caaagtaaaa atttctccat gcacttcaga tgatccatag tttccctaaa 60
cactgtggac ttgcagagaa ggaagtgtgg gaacagcatc aacatactct tacatacagg 120
gcctgcaaga atctcacgtg gtaggaaaat tcatttttca accactacac ctgttctatg 180

```
aatacagcaa ttggttatgt gtagagaagc atagcatcat atgtatTTTT acatactatt 240
gccattacta ggTTTTatta gggacagaac cttggtagaa taaaagcaca tttagaatat 300
aatgctactt tcatcatcat ttgttatatt gtcttaatat tcttcacacc caagacttga 360
atatatatat atatttacat ggaagtaaag ttacatgga acaatgccaa ggaaggggtt 420
ttcaggcaac aa 432
```

<210> 177
<211> 541
<212> DNA
<213> Homo sapiens

```
<400> 177
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttgttt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctattttaaa 240
acaaagggtta cattaatttc ttaacaagg acatcacatt gttggattgt gttgaacctg 300
tgatgaaata aaaggctcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541
```

<210> 178
<211> 315
<212> DNA
<213> Homo sapiens

```
<400> 178
cgcgcccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgag ctttcattcc 300
aacagtctaa cattt 315
```

<210> 179
<211> 356
<212> DNA
<213> Homo sapiens

```
<400> 179
gacaggatgt tcttccatac aaagaagtgc tcacagtctt tctggccggc cagtaagtga 60
atgatttcag gcctgggtggg caatacttgt gtccatgcgt aacacagccc aaccacagta 120
gtaggcagct gaatgtaata ccgaactcca ctcatgaac tgtacttgaa cattttaccc 180
actgcatggg gggaagattg gatgcatctg tccttacaca cggttcaggc atatgaacgc 240
ctagctggct gacaagagga tattgagata cgatttggtt tggatacgca taattgaaca 300
ggccaggaaa gtcacccgaa ggctaaacgc ctgtactgcc ataacggtat atccat 356
```

<210> 180
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```
<400> 180
atgtggctct gaacatgacc agtgctcca gctnccanat gctgacangg tgcanatgan 60
```

catantcact	ggncgtgttct	ctggtggcac	ttcactgggc	cgganagctg	gtgctgagcc	120
agnggatggg	catcctancc	accatcgann	ngctggnggn	ngcgggcctg	gntgacctac	180
tgagcacagc	ncaacagnaa	caacatgctc	acctatagtg	atcacaggcc	tatttggntt	240
tgcgatccta	tatctgctgc	tgggtgncat	gtgctacata	tcannacngc	tanntcagca	300
gnaaacccctc	gagggacacn	gnnggangca	nnggacgcct	tntgncaggt	gggccaacaa	360
ccgctcattg	ccgtggcact	gctgggcaac	at			392

<210> 181
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 181						
gggggggctg	gggnccggga	acnccgttat	caaaacaacc	aatnggntng	gatccaacct	60
ttgtggggac	catgagncgt	gtttggactc	ntacctaaaa	attaacattg	ggtttggcat	120
tagtnccctca	aggaaaagag	ggtggccaat	cgtttttatt	ttttaggggg	ggttaataaa	180
aaccaacgag	gaccgtgagn	gggtttttaat	aaggagaatt	atattggacc	acngnaatgg	240
tttctccacc	ttgtctatcc	aaccattgta	gttgtanttn	ttgttgaaaa	aaccncctt	300
gtaatanacan	ccttggtttaa	atangtggaa	ggggccaaat	tnggaagcnc	cattgggant	360
nggaatcatt	ngnaggcggt	atttttcggc	cnaacccaag	gtttangacc	acganggggg	420
gggttttaaac	aaaattggaa	acaagttnng	gnaaacccct	ttttagggcc	ctttgggngg	480
gaataattgg	ggataaaaata	attcngggct	cggaaaggca	aaaanttaaa	nttttttggg	540
gggggggggg	cccnttaggg	gggtccttca	aaaaaaatta	atttggggat	tgggcccaaa	600
gggggttcnt	ttcccaaaag	g				621

<210> 182
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 182						
ccgtaagatc	tccagcatgg	agaagagtct	ggagggaaac	accaaactca	taacagtctt	60
actgcaggca	agtgggataa	aggcccagac	tccatggngg	aagttaaagg	gcatttccaa	120
gttaaggcta	agacttgctt	ttctaactaa	gagaatgtgc	tcatgcattg	cttgtgtagt	180
agaaactagt	ttttagaaaa	gaaagcaaac	ttaagaaaca	ctgactcctg	tggagatgac	240
ttggcaccac	tctcctttca	cagagcagag	tctgaatagt	cttcagagat	aggcctgtgg	300
gccagattgc	catcccctat	ggaccagaag	ccaaggatct	ctctagtgat	ggtcagaggg	360
cccaaattgg	agggataccc	agtgatgtca	ggaggaataa	gtgcagacag	aagggtgctaa	420
gcagacaatt	c					431

<210> 183
<211> 473
<212> DNA
<213> Homo sapiens

<400> 183						
cagggttttac	ccactggctc	taggtttttgc	ttacgttgca	tgaaggttga	ggggaggctt	60
tcactctgcg	aacttgaaat	tggttgtgat	cccatattct	ttgattagaa	cgtgaaaagt	120
aattttgatga	agcatgcgtg	tgtatcatct	tggcacatgc	tacctttaat	acttgaatgc	180
ataatgtttt	tattcctgga	gccactaaat	ggtgagaggt	ggtcaaccaa	ggcaaagggc	240
ggtgtgggga	aaatgaagaa	aggctgagac	agctaaaagt	ttatccctat	tctcccacct	300


```
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360
catgggcata cgcttatgag cgggcgcagg gaagataggg ttctcgctcta agattaaaca 420
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473
```

<210> 184
<211> 487
<212> DNA
<213> Homo sapiens

```
<400> 184
gtggcggccg aggtacatgg taaatcagtc tttacaaagg cttatttttc caggcaggag 60
gagaggctgg tggctcttgag cttttggcct ggaattccag tctgaatttt caaatattcc 120
ctgcctccaa ccccttttggg tcctagtctt caagccaata acagagcagg agtctgaccc 180
tgttctgttg cctggcacgg ctgaatcaaa gccattctgg aagcagatgt taaggatgaac 240
ttgtcacttg gtatgtaggc cgcactccca tcccagagggt ggcagtgggc cttggctcaa 300
gatcaagttt gaactaaaat attacttggg tttttcacia agagtgtccg ttgaaagcaa 360
taaggaattc cagaacagaa ctgcacttct tgtccctctc tcacacttac aaagcttcag 420
aaaacattaa aaatgcatta cctcctagga attacaaaag atcacccaac tgtacctgcc 480
cgggcgg 487
```

<210> 185
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```
<400> 185
cgcggtggcg gccgcccggg caggtagctt aaaatacata tcaaaaacac catgcaggca 60
ccagagtcct gaaattgtca gagaatttct cacagcattg aaaagccaca agttgaccaa 120
agctgagaag ctccagctgc tgaaccaccg gcctgtgact gctgtggaga tccagctgat 180
ggtggaagag agtgaagagc ggctcacgga ggagcagatt gaagctcttc tccacaccgt 240
caccagcatt ctgcctgcag agccagaggc tgagcagaag aagaatacaa acagcaatgt 300
ggcaatggac gaagaggacc cagcatagaa gagcacagct ggccccggcg tttcatgaag 360
tcagaaggcc tggcaagcca tttcctggac gttgagagga ttgnttattt gatttttatc 420
ctcatcccag caggcctggc tttgtgggta gttgggtacc tcggcccgtc tctagaacta 480
gtnggatccc ccgggcttgc aggaatttct atatnaagct tatcgatacc cgtcgnccn 540
gagggggg 548
```

<210> 186
<211> 303
<212> DNA
<213> Homo sapiens

```
<400> 186
cgaccacgcg tccgcaagca gctgaatcct gctggtgaat ctgaaatagc tgaaaaaatc 60
cataccacca gaaattcatg gttttccacc tctgctaagc tagtaggcaa ccagtaaatt 120
atthttgtctg tcatcactac tttcccccat ttgactattc ttccaataat tattctaat 180
tacttagcct ttagcccca atctctagac tctcttcttt aagcagacaa ctttgcctat 240
tacttgaatg aaaaaattga gccagtcatt cttgagctcc ctacgtttgt ggcctccac 300
ctg 303
```

<210> 187
<211> 570
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 187
atnaccctac taaagggaac aaaagctggg taccggggccc cccctcgagg tcgacgggtat 60
cgataacgct tgatatcgaa ttcctgcagc ccgggggagc cactagttct agagcgggccg 120
aggtaccgca agggaaagat gaaaaattat aaccaagcat aatatagcaa ggactaaccc 180
ctataccttc tgcataatga attaaactaga aataactttg caaggagagc caaagctaag 240
acccccgaaa ccagacgagc tacctaagaa cagctaaaag agcacacccg tctatgtagc 300
aaaatagtgga gaagatttat aggtagaggc gacaaaccta ccgagcctgg tgatagctgg 360
ttgtccaaga tagaatctta gttcaacttt aaatttgccc acagaaccct ctaaateccc 420
ttgtaaatatt aactgttagt ccaaagagga acagctcttt ggacactagg aaaaaacctt 480
gtagaggaga ggaaaaaatt taacacccat agtaggccta aaagcagcca ccaattaaaa 540
agcgttcaag ctcaacaccc actcctaaaa 570

<210> 188
<211> 380
<212> DNA
<213> Homo sapiens

<400> 188
ccacgcgtcc gcggacgcgt gggcggacgc gtgggagcgc cccatcattt gacggtgaag 60
caggactcag gctgtgtgtc ctggagctac ttctcaccaa ctgtgggtcag tgcaggggga 120
acgaggaggt cttttggggg cctggcgagg ggaagggtg ctgcagtcta gggagagggg 180
gtgcagcctg ggggatgttg gtggacatgg atgtggaggt ggaaggagga aggacgttgc 240
gtggagtggg gggaaggagg ccgggagccg tgtgcgagag caggtggaaa gccttgaggg 300
gcaggaccag gatgcagctg gcttgtagaa gagctcagga gtgagcctgg cactccagag 360
ggcgcggcgg gtgggggaggc 380

<210> 189
<211> 348
<212> DNA
<213> Homo sapiens

<400> 189
acgcgggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aataactaatt tggtattatt tttaataata atttttgttt 120
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccacaa cctaaaaatt ttccacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348

<210> 190
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n = A,T,C or G

<400> 190
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaag gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
gtaaccaatt tatttttaaaa gcccatcaat ttaatttctg gtggtgcaga agttagaagg 240
taaaagnctt gagaaagatg aggggtgttt accgntagga ccaggaaacca atttaggaag 300
aaatacnttg aaggctagga agggggaagg tttgggttta aaaaaattca ncattcaaaa 360
anaggcttac ntaaaaaagg gacctnggtg gtaattttta aaaaaaaaaa cttaaagggc 420

```

angaagggct tttgngaaag gaggttnaga aaggaaattt ggggaaaggg cccttttaaaa 480
atattaggta gctttaagtt ttgaaaaaaa tgtngaaagg gacnttttcg taaaccggga 540
aggttaaatt naaaggaatc aaagaagtaa ttttacccaa actttaatgg ttttttgcca 600
ttnggacctt ttgnagttta aagaatttat ttttttttaa at 642

```

```

<210> 191
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<400> 191
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
gtaaccaatt tatttttaaaa gcccatcaat ttaatttctg gtggtgcaga agttagaagg 240
taaagcttga gaagatgagg gtgtttacgt agaccagaac caatttagaa gaatacttga 300
agctagaagg ggaagttggt taaaaatcac atcaaaaagc tactaaaagg actggtgtaa 360
tttaaaaaaa actaaggcag aaggcttttg gaagagttag aagaatttgg aaggccttaa 420
atatagtagc ttagtttgaa aaatgtgaag gactttcgtg acggaagtaa ttcaagatca 480
agagtaatta ccaacttaat gtttttgcac tggactttga gttaagatta tttttttaa 540
cctgaggact agccattaat tgacagctga ccca 574

```

```

<210> 192
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 192
tttcctgttt gagatgggtt atatgagctt gtatttttcta tgttacaaca aatgactgca 60
gagaggtagt ttttctttcc ctaatgacca ttaatctatg caagattttg ataaagccat 120
aaatgatgat attgtttcct ttttttcagg catgattttt ttcaatcacc tgggaatata 180
tttaattggt tatatactgc tgagagtata gcttcattat tgaggctctt gttctaaaga 240
ttattatata acatagaatc taattgccga cctgattctg tactttccta ataaatttat 300
gtgcacatth gatggtgtag catggacaga agttattaag tcattgattg ttgatggatg 360
tgaagaacct tcacgaataa aagtattaaa tacacttaac ctatgctcgt gcatgttatg 420
aaggaaagtg gagaccagcc ttttctctct ctgtttctgc ccagcatgcc tttgattttc 480
aaattggcgt ttttgcacat gccagtgcac t 511

```

```

<210> 193
<211> 895
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(895)
<223> n = A,T,C or G

```

```

<400> 193
tgcgtagggg ttccgtaccg ggggtgattcc gaatnaanga cctctggaat aatnccgnag 60
gggtgtcctng cgaggnccnc ggggggggag natcgcgcac gtgagntttt ctcagnaagn 120
cnggtcaccg aaggnggtgc tcagaaatgt ttacacntag atctcacgnt tctccaaata 180
aggaagtgna gaccacggcn tacctttttg cggacgacct naagcggaga ganaaaacnc 240
nttttggtta tgnangnagg ggangntcat atananaaag ttnttanacc accnccaat 300
naaggtnagg ggccccttaa aaataagtct atgnccccna accccacact nttaaangg 360
gaaanaagnc cggttttcca aangccnctt caaaaaccaa ctcccnacct ttanccctt 420
aaaananaaa aaaaattttn tcnccaaaaa taaccctaatt taattnaaan cgttgggaaa 480
aaccttncct cctttccaaa ccaaaccncc nccaaaaatt tttgggggga accccaaca 540
atttccttta attcccaacc ccngentta atttaaggga aaaagggtaa aaacccttta 600
aaaaatttgg gntnttnaag gnttnanttt taaaaagggg ttnaaaaccc aaatttgggg 660
aaaaaaaana acccaatttt tttccttttn ncnnttttct ccggggccna atttaaaaaa 720

```

```
gggccccccc tttggggccc nggtttccta aaggnnaaat ttttnaaaaa anaaaaancc 780
aaccctttgg naaaaaaccc tttgggggaac ccanaaaant ttttaaaaaac ccaaagggcc 840
ccccccaan aanttaattt ncctttaacc caaaaaattt ccaaaaaacc cccna 895
```

<210> 194
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

```
<400> 194
aggtacattt tctctgctgc aaccaggat ttgggcttat gatcaggagg aatggtgatt 60
ccatattccc agcctttctc atccaccact cgatttatgt cataagacca tgcattcatc 120
tccattccc aacctgggag gnacaagtca actcgtctgg tgatgctgct ttatcgccgt 180
tcgcatcncg tgtagggtgt tcctcgcccg ccacccgccg gtgggaagct cccaatttcg 240
ccctatantg gaggtcggta ttacgcgcg gctcacctgg ccgtcgtttt accaacgctc 300
tgactggggg aaaaaccctg gcggtttacc caaccttaaa t 341
```

<210> 195
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

```
<400> 195
ncnttttttt tttttttgaa cccctccccg ttancannac ngncacttgc nacattnatn 60
taaggggggc acngtanana tatgggntta aacccttacc ccacnccgt ngngctnng 120
ngaccgtgaa cncggtcacn ccgtgtgnac cacgaggnta anccgtgncc acaatggggg 180
atcctnatte ttgggcncct gtanaatggc aaagattnaa gcatcatng gnattggagg 240
gtgttntcag ccantggaag aatttaacaa ccctnaagat ttaactnng ggngcgacaa 300
ttttaanaag gngcgnggcg ttngagttaa agtngcgtng gattngaacc tccttaattg 360
gantggnggg ggaanaaaaa gcctaatang gcttgggggn ggatccttta aagccgggcg 420
ggccccaant tctttttntt ttaaaaaaat tcccttttga aaagggaag gnaccggcca 480
aataataggg ggcncncctt ttaatttcaa naaattttcc aaagcccgtt ttggggccgn 540
gnaccacctc ccggggccct tttccgaant ttaaagaaag ntggggggan gncnnaaatt 600
ggggggcnc 609
```

<210> 196
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```
<400> 196
gcnggccgcc cgggcaggta cgcggaatg ggcacnntgn agcgcaagta ggtctacaag 60
acgctacttc ccctatcata gaagagctta tcaccttca tgatcacgcc ctngggnatc 120
attntcctta tctgcttct agtcctggta tgcccttttc ctnaaccact cacaaccaa 180
aaacttaact aaataactta acaatcctna gaacgcctca aggnaaanta agaaaaccgc 240
tcntgaaact tattcctgcc ccgcccatca tcccttagnt ccctcaattc tggncctcn 300
```

```
ccaanccctt accgccaatc cctttttaca ataaaacagg accgaagggt ccaaacngaa 360
tccccctccc nttacccatt caaaaaatca aaattnggcc cacccaaatt ggannacctt 420
gaaaccccta accgaagtta cccttcgggc ccgcttctta agaaactaag gngggaatcc 480
ccccngggg cctggnaang gaaatttcgg ataatacaag ccttaattcc gaatancccg 540
gtccgaaccc ttcggagggg gggggggccc ccgggggtacc cccangcttt ttgggtttcc 600
cttttttaa 608
```

<210> 197
<211> 314
<212> DNA
<213> Homo sapiens

```
<400> 197
acctgtgtgg aaaagaatgc ttgcaaagct tgtcaccctc acgagaattc ctgtgacaga 60
catttgccct tgacagtga aacagatatt aaagtgaag gagaagaaac cgaagagcat 120
cagaggggac gactgggtta cttaactgtt ggggagcaat ctgaggagt gggtaccaga 180
gaaactggcg atggcgatcc cgtgagcaac atctctcaga cccattttta atgccggggg 240
atacttaatc atgctgaaaa acagcagagc cctgagggtt tggactaaca tggtgcagaa 300
agaagagaaa tata 314
```

<210> 198
<211> 288
<212> DNA
<213> Homo sapiens

```
<400> 198
cgacccacgc gtccgggtaa aaaaacagct tttaataaag ctgtctactt tttctagttg 60
gcttttactt caactagtta gaatgaagtg tattgttttg ttgtaggaaac ttctgaaggc 120
cataaaaagt ctaacataca aatatatgga cagttttctg cagagtacca tgaagatcca 180
gtcttagtat acacatttca agaactgatg agctgctctt taatattaac tgctgatttt 240
tcagggttagg atggagtgat ctcatgttgc ccattcttgc ctttactt 288
```

<210> 199
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

```
<400> 199
aggtaccnna ngggaaagat gaaaaattat aaccaagcat aatatagcan ggactaacc 60
ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120
gacccccgaa accagacgag ctaccta 147
```

<210> 200
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

```
<400> 200
gtcgaccccg cgtccgctta gggaactgca atattataag tatagtaatg acngcagnng 60
agaaccataa tgatggcctc cccggcaaag aagaaccaac ccgtgttacg cctgagggtg 120
caattttttg aattttttgca gtnagaccct ggcgatgacc ttgagcagta ggngataaat 180
```

tccacatgct	tagcgtacca	gtaatggaac	actaggcata	aatgggttat	taaagtatcc	240
anaattaaca	tgcttagctg	tgacattgga	aaggcaatgt	gtttgctgtg	gcacacatac	300
tantaaataa	tgactgggtcc	gaatttggtt	ttcgtttgtc	tattaaagtc	aatttactaa	360
ggcagggagg	gccagagct	gtgctgtcca	gttcaatagc	catgcgtgac	tgctaaggac	420
ttccaaagtg	gntagtccaa	tgtcaggtat	gctgcaagtg	tcaaacacac	actggatttc	480
aaagactaaa	nccaaaaaaa	tgtnaaatca	tctnaatatt	ttgggttatac	tcggttnaag	540
aaaataaaat	tatTTTTGCC	TTTTatgttt	ttaaaag			577

<210> 201
<211> 439
<212> DNA
<213> Homo sapiens

<400> 201						
ataaagcaca	aagacttggg	aattagatgt	tttgaccctc	tggcctccta	gttctgtgac	60
ttagggaag	ttgtttcttc	ttttttcttt	ccctctccct	ccttcacaac	atTTTTaggt	120
gggtactctt	attatcctta	ttttacaagt	ttcattaggc	acagaaaggc	taagagttac	180
agttgtaagt	gatggatttg	tgatttggac	ttaggcaatt	caatttcatg	atctgtgatt	240
gctttattag	gagtctgaac	tgtattcttg	aagtcccaga	agatagttaa	ctattctgga	300
tttttttaaa	gagcttttag	aaatgtaagt	acttgtttta	tgggtaactg	gatcgaatcc	360
cattttacaa	aatgaagatt	tttctttttt	tcttaaacad	aatgaatctt	tgaaatacca	420
atttgaaaac	ttttttact					439

<210> 202
<211> 432
<212> DNA
<213> Homo sapiens

<400> 202						
ggcccatcct	gctaaaagct	cagcacactc	tcttcaggtc	tctgctgagc	ccccagcaga	60
gcttgatgct	cttaaaactgt	gctcgcctaa	gagatctacc	cttgctaatt	cttaccctgt	120
ccatgtggcc	ctcaggttcc	tcatgtcaca	gggaggccct	ggtgtgatga	gagagttgtg	180
ctctctgtga	cagtcagata	gaaaattgtt	gccttgtcat	caaggtaatg	gggtgggtggg	240
tgagaagtgg	acccttcacc	agagagatct	gggtcagaga	gagatttgat	ccctctggag	300
agatccctca	ggagagattg	cccctgattc	cagttgatta	caaggctgca	actgggtctg	360
gagacttcac	tccaaaaggt	gggagttccc	cttgggggatg	ggaccaaaga	ggtacatggg	420
gttgtggggc	tg					432

<210> 203
<211> 567
<212> DNA
<213> Homo sapiens

<400> 203						
cgggcaggct	caaatcgcac	tggctcctgg	actcttttcc	tatcttcacc	acgaactgct	60
gcttgctcgc	ttgctcctca	gtcctagctt	catcaaacac	tggttcctgg	gacctgtctt	120
gctgctgtct	tcctagattc	actgaatcca	cttctgtgta	gcacctgggt	cagctgtcaa	180
ttaatgctag	tcctcaggat	ttaaaaaata	atcttaactc	aaagtccaat	gcaaaaacat	240
taagttggta	attactcttg	atcttgaatt	acttccgtta	cgaaagtcct	tcacattttt	300
caaactaagc	tactatatatt	aaggccttcc	aaattcttct	aactcttcca	aaagccttct	360
gccttagttt	tttttaaaatt	acaccagttc	tttttagtagc	tttttgatgt	gatttttaac	420
caacttcccc	ttctagcttc	aagtattctt	ctaaattggg	tctgggtctac	gtaaacaccc	480
tcatcttctc	aagctttacc	ttctaacttc	tgcaccacca	gaaattaaat	tgatgggctt	540
ttaaaataaa	ttggttacca	aaaattt				567

<210> 204
<211> 429
<212> DNA
<213> Homo sapiens

<400> 204


```
acgcggggct tgcattctctg gggccaagga gtggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggtg gtggagctct taccagaccc tgcagaaccc 120
tctccgtggt gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tggtgatggt gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggagggagga tggagtccct gacccaagggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtct ttggagctgg ggcagagggg 420
agcttgagt 429
```

<210> 205

<211> 509

<212> DNA

<213> Homo sapiens

<400> 205

```
cccgcccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatggt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaacaag agaggtgact agggaatatt 240
gaagaaatgc cagggtcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagtgtg gatgtttgtc cagcagcatt gagcagactg aataaattta aattaatgta 360
ggcttgaagc ttcattcgggt tatttttgct ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggg taagaacatt ggcaaggcaa tggttgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

<210> 206

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(360)

<223> n = A,T,C or G

<400> 206

```
cgcccnctgt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60
ttgtatgtca atcctgaatt ctctagctgt gtgagagagg cacaagagat gctaaaggag 120
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacgttg tcgagcactg 180
gatagttagt taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagggt 300
gtggaaagcg agaggcagag ctgttgggtct tctcgagtcc aggacttgag ccctgatctt 360
```

<210> 207

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(379)

<223> n = A,T,C or G

<400> 207

```
acgactcact attntngggg naattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcaactgggca ggcgggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcggggtaa gatttgccga gttcctttta ctttttttaa cttttcctta tgagcatgcc 180
tgtgttgggt tgacagttag ggtaataatg acttgttggt tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata ggggtgataga ttgggtccaat tgggtgtgag 360
```


gagttcagtt atatgtttg

379

<210> 208

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(283)

<223> n = A,T,C or G

<400> 208

nggcgaattg	gagctccccg	cggtggcggc	cgggggccat	tgagactgcc	atggaagact	60
tgaaagggtca	cgtagctgan	acttctggag	agaccattca	aggcttctgg	ctcttgacaa	120
agatagacca	ctggaacaat	gagaaggaga	gaattctact	ggtcacagac	aagactctct	180
tgatctgcaa	atacgacttc	atcatgctga	gttgtgtgca	gctgcagcgg	attcctctga	240
gcgctgtcta	tcgcatctgc	ctgggcaagt	tcaccttccc	tgg		283

<210> 209

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(528)

<223> n = A,T,C or G

<400> 209

acatgcatgt	gactgtacgt	ctttgaaaag	gcgacccccc	tttggatatcc	aggatgaggg	60
gaaggggaag	aaacctgtta	attatgcagt	actttttctg	taatttcaag	aaggctcagc	120
ctacaccgtg	tgcaccttaa	gcaaattcat	ctacacccac	tcagacaagg	aggaaggagg	180
gaggcagagg	aggagagtgc	tccaagctca	ttacctgtcc	tttcccattt	ccatgtttca	240
cctgacctag	gagcttcccc	tgcccccaga	gaaaggtagg	ccccaggtna	caaacaaatc	300
aagaaaaatt	aataaaatgg	acttttggct	ttgagcagtc	caagggccaa	agttcttgag	360
atttagtggt	ggcatgagat	attttangcc	atctgcacta	acttggcaac	cagccccctnc	420
cctcccccaa	gtcctgangc	acanccccgc	tgtggcccat	ccctcagcta	accggaattc	480
tctaccgaaa	cgtctgctcc	tctacatanc	ccaagttcta	gggactgc		528

<210> 210

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 210

cgctacttag	ggcgaattgg	agctccccgc	ggtggcggcc	gaggtacagc	ctggaccacc	60
cctgggtgtgt	agctagtaag	attaccctga	gctgcagctg	agcctgagcc	aatgggacag	120
ttacacttga	cagacaaaga	tggtggagat	tggcatacca	ttgaaactaa	agagctcttn	180
aagtcaangg	aagctgggct	gggcagtatc	cccggcttta	gttcttcact	ggggagggat	240
tcttgaccna	gcacaaaaac	ttaacaaaag	tnntntaaaa	atnnaaagnc	naattaaaat	300
nttaaaaaaa	aaaaaaaaaa					319

<210> 211

<211> 225

<212> DNA

<213> Homo sapiens

<400> 211

```
ttggagctca cgcggtggc ggccgaggtc gcccggccag ccttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagccgg agggcagctt cacacagggg cttcttggtc tcagggttgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225
```

<210> 212

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 212

```
cgggcaggtc caaatcgcac tggctcctgg actcttttcc tatcttcacc acgaactgct 60
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt caagctgtca 180
attaatgcta gtcctcagga tttaaaaaat aatcttaact caaagtccaa tgcaaaaaca 240
ttaagttagt aattactctt ggatcttgaa ttacttcccg taccctaaag cctntncatt 300
tttttcaaac taagcttcct attnttttaa agggctttcc aaaatttttt tntaaacttn 360
ttttccaaaa agcctttttg gctttaagtt 390
```

<210> 213

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 213

```
cgccncgcgt ccgcactgcc tctgtctctg tctctcatat acatatacac acacacacac 60
acacacacac acacacactc tctctctctc tctctctctc tccagnggct gttaagttct 120
gaaggactgg ggactgttag acataattga aagtaaggta acaggctaag gagaagctca 180
gtttgaacat tgcaatgtaa agtcctcaaa gcctgtgact ttcaagtatt tctgttgcat 240
taattgtatt ttcctgctta gctgtgttca gacatagtat ttgcatttct tggagctttc 300
attccaacag tctaacattt t 321
```

<210> 214

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 214

```
ctctggccct ttctcatcta cagcatttgc tcatattttc ccctncaact gggaggaacc 60
cctccccaac ttcttttntt ccaagcttaa tgatttctca taaacttttc tctgagcccc 120
taggaaaaaa actgtgtttt ctttgctgcc ccccaaccat agtagtcaac tttaaaattg 180
gcattaacac attccccctt gtcttacaca tatacatttc ttacactcc tatttgatga 240
caggtccatc caggaaagna atcatatctt ctatgcctta ttccctagag taacttgtgt 300
```

attacaggtg ttcaatgatg ggtaatgatt aagtgaaaag atcanggcac gaggnatgtg 360
tgcaaaaggc tgggggctgt 380

<210> 215
<211> 531
<212> DNA
<213> Homo sapiens

<400> 215
cgtccgggga agacatggaa gatctgggtc atgacccaga atttgatcgt ggaaaagcaa 60
gatgcataat atctgatggg atggatgcag gcctttggca actttgtact actagggaca 120
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 180
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 240
gtacttccct ttttggacaa gatgtgaaag ctgttggtgc agaagacaac aatataaaag 300
aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgatc 360
agaaagcaca ttatcacaaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 420
accctatag atatagaaag aaggagact cttcagaacg catgggtaca agaattaata 480
acctggttaa tgttcagcag agtagtcatt caagatccta actattttac t 531

<210> 216
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 216
agaaccgaga atcagctgta tggaaatgca cacaggtggc agatataaat agcagcagat 60
acacgaatca gtgcgggtcc atcatataac tcctagcttt agtctctaaa cttaggctcc 120
cactcaactc aactcctact ctaactcaag atataccata ccttggtttg ctctttctct 180
aagcatcgct gttctagtct tctaaggagc aggaatataa atctacatct atgtgaaact 240
acagcaccac caagggaaaa taaagaatcc agtgctattc tagtaatttt agggcagtag 300
tacagtacaa tgcaaagtat aggccttttg actaaatttg cctgggttca aatatgagcc 360
ctctcacatt ctattaggtt gaaccatata aaaatggaga tattcaatca tttttttaca 420
gtttcacgta gttcatctct gtattctagt ggtaaatcat ttttaacctaa gtttcatttc 480
cttctgttgn tagttttttt a 501

<210> 217
<211> 515
<212> DNA
<213> Homo sapiens

<400> 217
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatataccta tgagatcatt acataacagt 240
atataaagaa tctcttcac tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactgggtaca gatagtaaaa tgtccagaag acatttcac ccatggcag 360
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480
ctggcagtgat atgaatacta gggtctccat accta 515

<210> 218
<211> 580
<212> DNA
<213> Homo sapiens

<400> 218

tgaatgagag	cactagttct	ataagaactt	ataaattctg	tggctaactct	gatggatcag	60
gggagacttt	cccggtgtaa	gtgataattg	atcagttgta	ccagttgagc	taatatagaa	120
aagatacata	taacctaat	attctaagt	gtggctaact	aacagtacag	gcagaaagaa	180
gaacatgtga	aaaccacat	tgcaggagg	aacatggaca	gatcaaggaa	ccaaatgaaa	240
gacagtgtga	caggaatgca	aagaggaaca	ggagcaagat	atgggatggg	gccaaagaga	300
ccgatggaag	ccactctatg	aagagcactc	tagactttgc	tgaaactttg	ggtctctaac	360
aaaaaatcag	tgggaggcct	ttgacatgtt	gaaagcaggg	atatggtgtg	ttcatacttc	420
tggtttggaa	agatcactct	ggcagcagtg	aggatgacat	ggaacgagga	aaaaatagat	480
gtagagacaa	attagaaact	atcacagtcc	tctagacaga	aatgctttta	acacgaatta	540
agatggctgg	tgatgcacat	gggaaaaata	gcatattaga			580

<210> 219

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(197)

<223> n = A,T,C or G

<400> 219

aaagantttc	tattatgcaa	agtgttttag	nactgacctg	ntatatatga	aagnnagnnc	60
taaaacactn	tgnataanta	ttacccttaa	cttacacaat	aatctaata	ggcangtata	120
ctatnatttt	aagcccatct	tacacatnca	ggaacatagg	aacgaagatt	acatganctg	180
ncactnaagn	ggcctac					197

<210> 220

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(372)

<223> n = A,T,C or G

<400> 220

ctcttttgaca	gctnncgagc	caattattct	gaacacacat	tcgactcagt	cagttttcct	60
ataatnaaaa	tgtntggcnt	aatagaatca	ctntctggcc	tgtgtncctt	gagatctaag	120
cacgtntttt	cagnctgcag	taaccctaac	tatcattact	gncatttcga	tccaatttnt	180
tntcccatna	ttnggctgac	aaanagaaaa	acatnntatc	ctaanttaaa	atcttttcagg	240
taaatgctgc	cttatatcnn	atacctnttn	cacacaaagc	agataataaa	gcnttttcca	300
ttgttaattn	agtantcaca	tgtggtattg	aaattaagga	actgagactt	ctgnatccac	360
cttatctatc	ag					372

<210> 221

<211> 483

<212> DNA

<213> Homo sapiens

<400> 221

ccacgcgtcc	ggatcacgcc	actgcactcc	agcctgggca	acagaaaaaa	aaaaaaaaaa	60
gataggtgct	gttcagtttg	atcacttggt	aagatagggc	ctgtcttggt	tctcccctgt	120
gaagtttcca	tccgtaattg	ataaatatct	tatggcgaaa	tactttcaca	ctaggcaaat	180
gtgctgcttt	tcctcctccc	actccgattt	tggcatccat	cactggacct	tgtctgcacc	240
agttattact	ctgtcacttg	tctaattgtg	attttctgtg	tcccttattc	cttcaccatt	300
tattaattgg	aattcttcaa	taaggaagaa	ctgtccctag	ccctcttcca	ttcacttggt	360
cattcaatga	tttctttata	tcacgatgag	ttcgtgggta	tttattttat	tctatgggct	420
gtagtcacta	ctttcattgt	ttatttcatt	gctcgaatcg	ttcaggcttt	ggcccttgaa	480

aac

483

<210> 222
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 222
attggagctc cccgcggttg cggccgcccc ggcagggtatt cgggtgcttcc caacacctcc 60
ttattggaaa acagccaagg agatgggtggc taactggagg catcaccag cagtgggtgga 120
gcagtggagc aaggtcattt gtgcactcac ttccagattg ctacgcttta catatgggtcc 180
ttcatttcct gcatttaaag ttcccgatga agatgccagt ctgatccctc cagaaatgga 240
taatgagtgt gntgcacang acatgggtttc gctttttaca catgttaagt aatnctgtgg 300
atttgagtaa cccagctatt ataagctcta ctcccaaatt tcaggaacag ttctt 355

<210> 223
<211> 391
<212> DNA
<213> Homo sapiens

<400> 223
tcactatagt tcgaattagg agccccaccg cgggtggcggc cgatgtactt tttttttttt 60
ttttttgctt ttttaattgga tgcctggaga caattccatt tcaattacct tattggcatg 120
acgagatata caagggctgc caatgtcaat acattaagac tgagcgtgct ggagcagcag 180
ccagggttca gggcactgct gtgtcatctg cgccacggtg cacaaggca gcttcaaaag 240
catttcagca tgatcgcttc cctctctccg ctcttgggga gagaaggatc ctgcacacca 300
caggcaaatc atgctgaaat tgagggtggtg cctttgggac tcccatccca tcacagtctt 360
gggattcttt agctgagatc tactagagcc t 391

<210> 224
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 224
ccccgctnag aacaacattt ttaaaacact tgataacttg tatctcacat tctaccatgt 60
gacaattcaa tgactncttt nntccctttt ctctattccc tcttaccacg gctgcgatac 120
tgtgtcttag acatctgctt tttggctgct tcattcccca ggaggctaca ttntgcattt 180
ttcanccctt ggaagcagtt ctgtnccttt gaagngntnc ttcattgttn cttangacct 240
agacaaaact aatacttccc attcactttg ctaattttcc atctttaatt tatatacttt 300
attaagtata ttttaaatag agacgagatt aaaaaatatt tacaactatt ct 352

<210> 225
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 225

```

cgccncgcgt cccggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaantttta aagaccaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtcccnt ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ccttttataa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416

```

<210> 226

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(346)

<223> n = A,T,C or G

<400> 226

```

cgggtggcggc cgtaaacaat gtgtcactgg gcaggcgggt cctctaatac tggatgatgct 60
agaggtgatg tttttggtaa acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaatgtttt catgttactt atactaacat tagttcttct atagggngat 300
agattggncc aattgggtga naggagtncg gttatatgtt tgggat 346

```

<210> 227

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(333)

<223> n = A,T,C or G

<400> 227

```

agggcgaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttgttcgt cggcccgttt nan 333

```

<210> 228

<211> 529

<212> DNA

<213> Homo sapiens

<400> 228

```

cgacccacgc gtccggaaga attaacaaaa gctacagccc taaccatcat ggataagaaa 60
ctgtgggtggg cagacaaaaa cttagcccag ctaggaacct gcagcaaaag agacggaaga 120
aaccacacca tcctacggaa taagacttct ggggtagttc atatgaaagt ctatgataaa 180
gaagcacagc aaggcagcaa ttcttgccaa ctaaaacaat gtggatgctc tcaactttgt 240
ttaccaacat ctgaaactac aaggacttgt atgtgtacag tgggatatta tctccaaaag 300
aaccgtatgt catgtcaagg gatagaatca tttcttatgt actctgttca tgaaggaatc 360
aggggaatac ctcttgaacc aagtgacaaa atggatgctt tgatgcctat atcaggaact 420
tcatttgccg tgggaataga tttccatgca taaaatgata ccatttactg gacagacatg 480
ggcttcaata aaattagcag agctaaaaga gatcagactt ggaaagaag 529

```

<210> 229
<211> 492
<212> DNA
<213> Homo sapiens

<400> 229
ccgcggtggc ggccgcccgg gcaggtacat tggcacgtca cgatgtcttg agtttcattc 60
actaggtggc agcctgcatc gttccactgc aaatgactga aatcccaaaa cacacaatga 120
ggctggctca ggtttgactc tatcttggaa aaaaatagga aaacttcatt tatggaatag 180
ttttgaataa ccgtggatat cacaggtcca ttgacctgag catttccatt tttggaaacg 240
ggtagaatgt tccccagagt caacgaggcc atgctgataa tagtttctgg aagggatctc 300
tggaattggc ctgacccaat taacacacgg cctctgatgg gaatagatgt attttgggga 360
cacattttta tctgatagct gtaacccctt ttgagttggc ttttgttcac tggaatccct 420
ttccagtcaa tgaatttccg agaaaaattc agaggaagag ctgtcggagg caccagagtg 480
ctgatgtttt ct 492

<210> 230
<211> 493
<212> DNA
<213> Homo sapiens

<400> 230
gcgtccgctt caggtgccct tataaggctt ccatgatgca gtcacctaa actgggggtgt 60
cttagtagca aggatgacaa tgtgatgtgt atttttgtta acctctgtgt gtatggcttg 120
aattgatgct ttgtgtgtgg ccagagggga gaggtgggtg tatcctggca cgatcgtgaa 180
atggatagga taatgttttt aaacttagtg ggagagagaa atgaaaacca accagaatat 240
aaggccatct aaagtgctaa atagactcaa gcaggttcta tggaggagga agaagtgatt 300
aattctgatg gggaggctgg ggaagcaggt gtctaaggaa aggttaccaa gaagggtgca 360
attgaacttg gccttgaagg atttaggggg tagaatgcta gggaaaatat tccaggggtga 420
gaaaatgagt gagaagaggt gcaaaagagg accactccag agaaacagtg ggtaataaga 480
tttgactgga ggg 493

<210> 231
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 231
tnaccctact aaaggaaca aaagctgggt accgggcccc ccctcgaggt cgacgggtatc 60
gataatgctt gatatcgaat tcctgcagcc cgggggatcc actagttcta gagcggccga 120
ggtcggccta ggtcaacaac cgactaatca ccaccaaca atgactaatc aaactaacct 180
naaaacaaat gataaccata cacaacacta aaggacgaac ctgatctctt atactagtat 240
ccttaatcat ttttattgcc acaactaacc tcctcggact cctgcctcac tcatttacac 300
caaccaccca actatctata aacctagcca tggccatccc cttatgagcg ggcgcagtga 360
ttataggctt tcgctctaag attaaaaatg ccctaaccce cttcttacca caagggacac 420
ctacaccctt tadc 434

<210> 232
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)

<223> n = A,T,C or G

<400> 232

```

aaacngttct aggggggttga actacatagt aaaaaaaata aaataaatag tacttagtgt 60
aaaataattht tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120
atataaaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaat 180
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240
tgtctnaata aacaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300
tatccacagn acaaaaatgg tttgnttt 328

```

<210> 233

<211> 212

<212> DNA

<213> Homo sapiens

<400> 233

```

acccacgcgt ccgcttacgt ttgttgthttt tcagtaatgt gattttcttt taagttgggg 60
gttatgcagg gttgtcattt tgttataacc atctaatttc tgctgtgct gctttaatgc 120
taaatgagat atcaacagct gacttcatat ctcacctgtg agctccctgc tgagtttttg 180
agggctctgct catgggaaga aataggaaag ag 212

```

<210> 234

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 234

```

aatncgactc actatagggc gaattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcaactgggca ggcgggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcgggggtaa gatttgccga gttcctttta ctttttttaa cctttcctta tgagcatgcc 180
tgtgttggtg tgacagttag ggtaataatg acttggttgt tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttaatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgata ttggtccaat tgggacctcg 360
gccgctctag aactagtggg tcccccgggc tgcagggaatt cgatatcaag cttatcgata 420
ccgtcgacct cgaggggggg cccggtagcc agcttttgtt cccttttagtg agggttaatt 480
gcgcgcttgg cgtaatcatg gtcatactgt tttcctgtgt gaaattgtta tccgctcaca 540
attccacaca acatacgagc cgggagcata aagtgtaaag cctgggggtgc ctaatgagtg 600
agctaactca cattaattgc gttgcgctca ctgcccgtt tccagtcggg aaacctgtcg 660
tgccagctgc attaatgaat cggccaacgc gcggggagag gcggt 705

```

<210> 235

<211> 445

<212> DNA

<213> Homo sapiens

<400> 235

```

accaagcatt ggacacacaa aaatacaggc agcttcttcc ctcaaggagg tcacaggtgg 60
gtgtgtccat agcaaagctg ggagggaagt gtatgaggag cctgaagaca atggggagct 120
aggggaaagt tctgagtaga aaggaaatg tggacaaagg tttgaaatga tgaagactga 180
ttaggaagtt catattatga agcataattc aagctttctc tacgatgttc aaatcccatc 240
tctcctactt actagatagg tgacattggg caagttactt atctcctctg ctctgtttha 300
tttgtttcaa aaacagggac ctctctcaca gtgtgattat gaagactgga caagaaaatg 360
gagtttttgt tttgaatgcg ttaggggtct ttgccttagg cgtgtagtgg agacatggtt 420
tacacaatth gctgcacctt ctgga 445

```

<210> 236

<211> 474
<212> DNA
<213> Homo sapiens

<400> 236
actcaggcct tactgggatt tcctttaaga cctctgggag gaagtgtcag tagctgggca 60
ggccttcttg gcaagcattc ctccctgggt tgtggcgagg gctcccggcc tgctgtgtgg 120
cagctgcagg ctcttgggga cctgaaggaa aagcttaacc gttctccctt cccttgcttg 180
gcacttagag cactagtacc attccagaca taccgattat cttgcctacg tggcatagag 240
gcctaggagc ctccctggga ggaagaggca ggccaaggct ttgcctggct gcttttaggg 300
ggaaagatgt agggaggaag ctgccttatg cttggatctg cagcctttgc ctggacctgt 360
ggagcctatt tggccagggt gagggagaca aaaattaaaa cccatcgtat tcagctaata 420
cttttcttgc ctttgaacat tgccggggag tctggaaaaa aaaaaaaaaa aaaa 474

<210> 237
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 237
catggggaat caaataaggt acatttaatt ttcattctcag atgtgagaaa actggaactt 60
agaaaagcaa agtaaagtgt catgggcaca ctactgttaa gataaatctg gnattnaaat 120
gtaggctctt ctgattataa aactcatgnt ctttctcttg caggatgctg ccagtgacct 180
cagagccttt tgttttcctc caatattctc agtgctttta atattttaatg atccttcaac 240
gtntct 246

<210> 238
<211> 367
<212> DNA
<213> Homo sapiens

<400> 238
attggagctc cccgcggttg cggccgcccg ggcaggtagc cggggaggag gcggaagcgc 60
agcgggggag ggaagggtgt agtgccgcga gttgagctcc tcttgccctaa gtggtcgcgc 120
cccctttaag agcagcgatt gtaaggagag gcgggtcccg tgtcctcggg tcccagggtga 180
ttgtgaagtg ctgaccaatt gccactggac atacttgaaa caaaatagga aaatggcagc 240
aaaccctgtc tctaaatcaa tcaatcaagc gagccagaat gcagtagtgg cctgagagag 300
gcatcctgga acgcagtgcg gtctggctag gcttagaagt attcatgtga tttttacctg 360
acaaggg 367

<210> 239
<211> 432
<212> DNA
<213> Homo sapiens

<400> 239
atgtgtggca caaagtaaaa atttctccat gcacttcaga tgatccatag tttccctaaa 60
cactgtggac ttgcagagaa ggaagtgtgg gaacagcatc aacatactct tacatacagg 120
gcctgcaaga atctcacgtg gtaggaaaat tcatttttca accactacac ctgttctatg 180
aatacagcaa ttggttatgt gtagagaagc atagcatcat atgtattttt acatactatt 240
gccattacta ggttttatta gggacagaac cttggtagaa taaaagcaca tttagaatat 300
aatgctactt tcatcatcat ttgttatatt gtcttaatat tcttcacacc caagacttga 360
atatatatat atattttacat ggaagtaaag tttacatgga acaatgccaa ggaagggggt 420
ttcaggcaac aa 432

<210> 240

<211> 541
<212> DNA
<213> Homo sapiens

<400> 240
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctatttttaa 240
acaaagggtta cattaatttc tttaacaagg acatcacatt gttggattgt gttgaacctg 300
tgatgaaata aaaggctcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541

<210> 241
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 241
gaggagctta ctgtgtcgtg gatattcttt gaaacggttt atttcactgg ctcttacttt 60
tgttcttact aagaatgctg tgtttaggaa aacatantga gaaaattctc tttggattaa 120
ttactgagaa actgcatgta tcaaaacatg cactccttgc atanataaca nagaaagntg 180
ctatttttagc aaaaataatc aattttaatga acacataagc aagagacttt gttttgacta 240
gcgtttgttg ttaccttctc tgaagattac agtgtttgaa tttgatctaa gaagtgttaa 300
aacaaaacgt gtctaaacaa tgaagcttga taatttaacg ttttttaaaa tggtgaaata 360
taaatgatca gtgaaagagt tggagatggg tatggttntc tcatctgtag gggatttcag 420
gagccanatt gcttaattcc aactctctat caaggaaca ttaatattgg ttgtgtcaca 480
gtgtttccct ttgncacttc atttatttgg cctaccgaga gaaggtaang aatgggaaag 540
agatta 546

<210> 242
<211> 531
<212> DNA
<213> Homo sapiens

<400> 242
agccttcact gctgaagaat ccgattttgt gtatctcccc atctcaaaaa aagaaagaaa 60
gaaaacagag tgtttggatg aattgggtgtg gaggggtggga gtcgagaata gatgtcagga 120
gttaatatata actggcaggt tgtcagtaaa ggtccctcag agtaagtggc ttctgagctg 180
agcccggaat gcaaagaaag gagccagaca tgtgaggagc tgagatgacc ctctgtctagg 240
cggaggggaac atcccatgtg aaagcctaag caggggaataa gcatgctcag tctaaggatg 300
gggtgggagt gggggggccgg agccagtatg gcagcagtgc agtgaattag tggggagtgg 360
taggaagtga ggttggaat agagggagca cgtgacacgg gctcttgacg gctgtgagac 420
ctagcttatg ttgtgtttga agcatgagag taacaggagt gacttaactt tttttttttt 480
ttaaatcctt gccactgtgt ggggaatgga ttgggttata gaggagtaga a 531

<210> 243
<211> 315
<212> DNA
<213> Homo sapiens

<400> 243
cgcgctcgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60

```
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtcc tcaaagcctg tgactttcaa gtattttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttggag ctttcattcc 300
aacagtctaa cattt 315
```

<210> 244
<211> 490
<212> DNA
<213> Homo sapiens

```
<400> 244
gtactccctg gaaagtccag ctgagaaagc gatcctgccc tctgctcctc ccagggttac 60
cctcctgtaa gtcttctgct tagtgttcag aattggggga tgctgggact gggcaaggac 120
ttgtaggcaa caccocatag cctgctcatg cctgttgggt tgcctatgga tcattccctg 180
ctgggctcac tcaccggctt cgtataaggt cctttttgag gtttattatt tccttgtcca 240
tatacttgat gctcttcatt ggcttgtctg ggacctgcct taggttctcc gaggcataaa 300
agggccggac agcccccgag ttggggggaac tctgaagctt cttgggtggct ggaaccttgg 360
tcattcttaaa aatccttcag gtttttagcct gtgcccccaa gacaaggatt tttccagaat 420
cttctacttc agtagttact ggtatgagaa gtttcggcaa cttctccctg atccccaagt 480
ccaattaca 490
```

<210> 245
<211> 356
<212> DNA
<213> Homo sapiens

```
<400> 245
gacaggatgt tcttccatac aaagaagtgc tcacagtctt tctggccggc cagtaagtga 60
atgatttcag gcttgggtgg caatacttgt gtccatgcgt aacacagccc aaccacagta 120
gtaggcagct gaatgtaata ccgaactcca ctcatgaaac tgtacttgaa cattttaccc 180
actgcatggg gggaagattg gatgcatctg tccttacaca cggttcaggc atatgaacgc 240
ctagctggct gacaagagga tattgagata cgatttggtat tggatacgca taattgaaca 300
ggccaggaaa gtcacccgaa ggctaaacgc ctgtactgcc ataacggtat atccat 356
```

<210> 246
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

```
<400> 246
anaagaagaa attaatagta tcagatgctc tgttttagttg attttcagca gttgagcctt 60
tcattctcca nagcttttct tgccagagaa tgtgaccttt taaaactgaa aagtaactgt 120
natgtacttt cagaagtagc attttattcc cgtcactgaa accttgaaaa catncaagg 180
ttaagctgag tagttcacag atgggttggc agatcccata taaacacatg attcaccctg 240
gatcagaagt aactgcngaa gccaaaatta catgcattgg tggcccattg gaccgtgaag 300
ctgtgggaaa atgaaggggg aaggaagtaa cctgaa 336
```

<210> 247
<211> 99
<212> DNA
<213> Homo sapiens

```
<400> 247
ccctttcttc ttggctccct ttttgccgcc ttctgtaagg cgcttgttct tgccaaccgc 60
catggtgctg gtcagagagc caaaaggccc cgcgtacct 99
```

<210> 248
<211> 567
<212> DNA
<213> Homo sapiens

<400> 248
ggggaaactt ttaactccaa caggctcatt gtatttgtgt agatttggtt cattttgcaa 60
agagggttca taaaattatg ggaaaccttt tccctattgt actgggagca tctctgggaa 120
ggtgcagggt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180
ttccgtccac ccactccctt cgacaaaaat ctcagtacag ttctcattgc tgctgtccta 240
aaatattctt ccccccttcc tacatcatac aactgcccgc ctgcttaatc ttcccagaat 300
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360
cgagtaccgt cctttctcag taactttgtt tcccactatt ctgccccggg cactgcagag 420
cccacagtca cagactcgtt ctaacagtgg attcaccac acgttccta ggctcatcat 480
tacagcctct gctgagttac aggcaaccgc caccttcaca caccttttgc ctaactgacc 540
tatttattat ttccatcata taactca 567

<210> 249
<211> 473
<212> DNA
<213> Homo sapiens

<400> 249
caggtttttac ccactggctc taggttttgc ttacgttgca tgaagggttga ggggaggcctt 60
tcactctgcg aacttgaaat tggttgtgat cccatattct ttgattagaa cgtgaaaagt 120
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360
catgggcata cgcttatgag cgggcgcagg gaagataggc ttctgctcta agattaaaca 420
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473

<210> 250
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 250
cgcggtggcg gccgcccggg cagggtacgtt aaaatacata tcaaaaacac catgcaggca 60
ccagagtcct gaaattgtca gagaatttct cacagcattg aaaagccaca agttgaccaa 120
agctgagaag ctccagctgc tgaaccaccg gcctgtgact gctgtggaga tccagctgat 180
ggtggaagag agtgaagagc ggctcacgga ggagcagatt gaagctcttc tccacaccgt 240
caccagcatt ctgcctgcag agccagaggc tgagcagaag aagaatacaa acagcaatgt 300
ggcaatggac gaagaggacc cagcatagaa gagcacagct ggccccggcg tttcatgaag 360
tcagaaggcc tggcaagcca tttcctggac gttgagagga ttgnttattt gattttttatc 420
ctcatcccag caggcctggc tttgtgggta gttgggtacc tcggcccgc tctagaacta 480
gtnggatccc ccgggcttgc aggaatttcg atatnaagct tatcgatacc cgtcgnccn 540
gagggggg 548

<210> 251
<211> 348
<212> DNA
<213> Homo sapiens

<400> 251

```
acgcggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aatactaatt tgttattatt ttttaataata atttttgttt 120
tgctgagaaa gtggattttac cacttttttta tttttttaatc caaggaggaa aaattatttc 180
caaaccaaat cctaaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348
```

<210> 252
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```
<400> 252
atnaccctac taaagggaac aaaagctggg taccggggccc cccctcgagg tcgacggtat 60
cgataacgct tgatatcgaa ttcctgcagc cggggggatc cactagttct agagcggccg 120
aggtaccgca agggaaagat gaaaaattat aaccaagcat aatatagcaa ggactaaccc 180
ctataccttc tgcataatga attaactaga aataactttg caaggagagc caaagctaag 240
acccccgaaa ccagacgagc tacctaagaa cagctaaaag agcacacccg tctatgtagc 300
aaaatagtgg gaagatttat aggtagaggc gacaaaccta ccgagcctgg tgatagctgg 360
ttgtccaaga tagaatctta gttcaacttt aaatttgccc acagaaccct ctaaattccc 420
ttgtaaattt aactgttagt ccaaagagga acagctcttt ggacactagg aaaaaacctt 480
gtagaggaga ggaaaaaatt taacacccat agtaggccta aaagcagcca ccaattaaaa 540
agcgttcaag ctcaacaccc actcctaaaa 570
```

<210> 253
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n = A,T,C or G

```
<400> 253
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaag gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
gtaaccaatt tatttttaaaa gcccatcaat ttaatttctg gtggtgcaga agttagaagg 240
taaaagnctt gagaaagatg aggggtgttt accgntagga ccaggaacca atttaggaag 300
aaatacnctt aaggctagga agggggaagg tttgggttta aaaaaattca ncattcaaaa 360
anaggcttac ntaaaaaagg gacctnggtg gtaattttta aaaaaaaaaa cttaaagggc 420
angaagggct tttgngaaag gaggttnaga aaggaaattt ggggaaaggg cccttttaaaa 480
atattaggta gctttaagtt ttgaaaaaaa tgtngaaagg gacnttttcg taaaccggga 540
aggttaaatt naaaggaatc aaagaagtaa ttttacccaa actttaatgg ttttttgcca 600
ttnggacctt ttgnagttaa aagaatttat ttttttttaa at 642
```

<210> 254
<211> 574
<212> DNA
<213> Homo sapiens

```
<400> 254
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
```



```

gtaaccaatt tatttttaaaa gcccatcaat ttaattttctg gtggtgcaga agttagaagg 240
taaagcttga gaagatgagg gtgtttacgt agaccagaac caatttagaa gaatacttga 300
agctagaagg ggaagttggt taaaaatcac atcaaaaagc tactaaaagg actggtgtaa 360
tttaaaaaaa actaaggcag aaggcttttg gaagagttag aagaatttg aaggccttaa 420
atatagtagc ttagtttgaa aaatgtgaag gactttcgtg acggaagtaa ttcaagatca 480
agagtaatta ccaacttaat gtttttgcgcat tggactttga gttaagatta ttttttaaat 540
cctgaggact agccattaat tgacagctga ccca 574

```

```

<210> 255
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 255
tttcctgttt gagatgggtt atatgagctt gtatttttcta tgttacaaca aatgactgca 60
gagaggtagt ttttctttcc ctaatgacca ttaatctatg caagattttg ataaagccat 120
aaatgatgat attgtttcct ttttttcagg catgattttt ttcaatcacc tgggaatata 180
tttaattggt tatatactgc tgagagtata gcttcattat tgaggctctt gttctaaaga 240
ttattatata acatagaatc taattgccga cctgattctg tactttccta ataaatttat 300
gtgcacattt gatggtgtag catggacaga agttattaag tcattgattg ttgatggatg 360
tgaagaacct tcacgaataa aagtattaaa tacacttaac ctatgctcgt gcatgttatg 420
aaggaaagtg gagaccagcc ttttctctct ctgtttctgc ccagcatgcc tttgattttc 480
aaattggcgt ttttgacat gccagtgcac t 511

```

```

<210> 256
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

```

```

<400> 256
aggtacattt tctctgctgc aaccaggat ttgggcttat gatcaggagg aatggtgatt 60
ccatattccc agcctttctc atccaccact cgatttatgt cataagacca tgcacatct 120
tcccattccc aacctgggag gnacaagtca actcgtcggg tgatgctgct ttatcgccgt 180
tcgcatcneg ttagagggtg tctcggccg ccacccgccg gtgggaagct cccaatttcg 240
ccctatantg gaggtcggta ttacgcgcg gctcacctgg ccgtcgtttt accaacgtcg 300
tgactggggg aaaaaccctg gcggtttacc caaccttaaa t 341

```

```

<210> 257
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

```

```

<400> 257
ttntgcacac aggactcgca ccaagaaagc tgttcagata cacgacatgg gccatggatt 60
ttgagaaatn taggatggct naggaaggct caactaacat cccagaggac caactggtgt 120
ttcagcaata gnactgggcc ctaaccaagg atctggaaac atgcttagcc gaattttana 180
attgatgtgg actattcctc cttctaaata gantcganta ttaaggctat cctatcctat 240
ctcaatagtg t 251

```

```

<210> 258
<211> 314

```


<212> DNA
<213> Homo sapiens

<400> 258
acctgtgtgg aaaagaatgc ttgcaaagct tgtcaccctc acgagaattc ctgtgacaga 60
catttgcctt tgacagtga aacagatatt aaagtgaag gagaagaaac cgaagagcat 120
cagaggggac gactgggtta cttaactgtt ggggagcaat ctgaggagt ggttaccaga 180
gaaactggcg atggcgatcc cgtgagcaac atctctcaga cccattttta atgccggggg 240
atacttaatc atgctgaaaa acagcagagc cctgagggtt tggactaaca tgttgcagaa 300
agaagagaaa tata 314

<210> 259
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 259
gcnaattgga gctccccgcg gtggcggccg aggtacacga actaaatttt ttaaacttta 60
tttgctgtta aattctgtga agtttcagtt atctaaaata aatatacaca aatatgaaat 120
ataatgtttc agattgcaag gtaatatgta atagtagtgt ttgtaagata ctcttgtcta 180
atattaacta gtagtatatt gatttgtaca atgtcaccct cccagcaaca agaagaacaa 240
gctactgaat cagtgtccct ttattactat ggcacaaag atttggctac tgttttcttc 300
tacatgctag tggcgataat tattcatgcc gtaattcaag agtatatgtt ggataaaaatt 360
aacaggcgaa tgcacttctc caaaacaaaa cacagcaagt ttaatgaatc tggtcagctt 420
agtgcgttct acctttttgc ctgtgttttg ggcaca 456

<210> 260
<211> 288
<212> DNA
<213> Homo sapiens

<400> 260
cgacccacgc gtccgggtaa aaaaacagct ttaataaag ctgtctactt tttctagttg 60
gcttttactt caactagtta gaatgaagtg tattgttttg ttgtaggaaac ttctgaaggc 120
cataaaaagt ctaacataca aatatatgga cagttttctg cagagtacca tgaagatcca 180
gtcttagtat acacatttca agaactgatg agctgctctt taatattaac tgctgatttt 240
tcaggttagg atggagtgat ctcatgttc ccattcttgc ctttactt 288

<210> 261
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

<400> 261
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ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120
gacccccgaa accagacgag ctaccta 147

<210> 262
<211> 577
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 262

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caattttttg	aattttttgca	gttagaccct	ggcgatgacc	ttgagcagta	ggngataaat	180
tccacatgct	tagcgtncca	gtaatggaac	actaggcata	aatgggttat	taaagtatcc	240
anaattaaca	tgcttagctg	tgacattgga	aaggcaatgt	gtttgctgtg	gcacacatac	300
tantaaataa	tgactgggtc	gaatttggtt	ttcgtttgtc	tattaaagtc	aatttactaa	360
ggcagggagg	gcccagagct	gtgctgtcca	gttcaatagc	catgcgtgac	tgctaaggac	420
ttccaaagtg	gntagtccaa	tgtcaggtat	gctgcaagtg	tcaaacacac	actggatttc	480
aaagactaaa	nccaaaaaaa	tgtnaaatca	tctnaatatt	ttggttatac	tcggttnaag	540
aaaataaaaat	tattttttgcc	ttttatgttt	ttaaaag			577